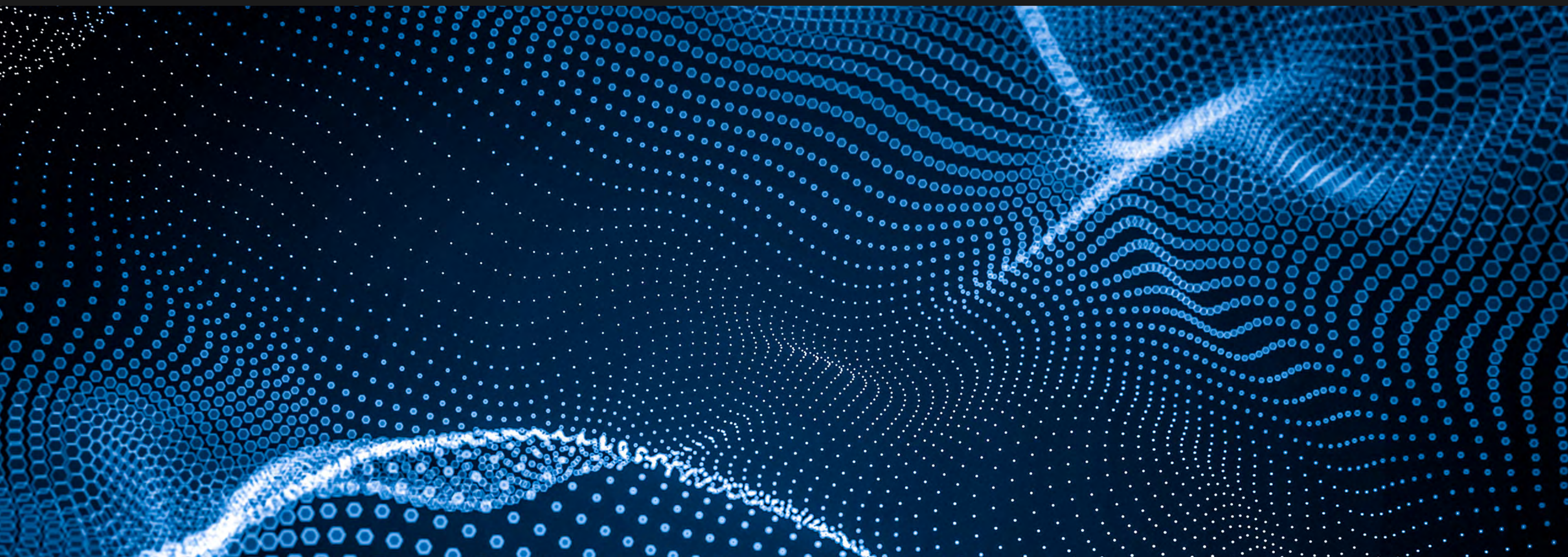


## GaN & SiC Product Selection Guide



## Semiconductors - ICs

### Linear ICs

#### Driver ICs and Modules

##### GaN Gate Driver

	Mfr Part Number	Supplier	Price
<a href="#">Buy Now</a> <a href="#">pdf</a>	PE29100A-X	pSemi	\$3.86
<a href="#">Buy Now</a> <a href="#">pdf</a>	PE29100A-X	pSemi	\$2.70
<a href="#">Buy Now</a> <a href="#">pdf</a>	PE29101A-X	pSemi	\$3.65
<a href="#">Buy Now</a> <a href="#">pdf</a>	PE29101A-X	pSemi	\$2.30
<a href="#">Buy Now</a> <a href="#">pdf</a>	PE29102A-X	pSemi	\$3.65
<a href="#">Buy Now</a> <a href="#">pdf</a>	PE29102A-X	pSemi	\$2.30

# GaN SiC Focused Products

June

2019

## Semiconductors - ICs

### Linear ICs

#### Driver ICs and Modules

##### Gate Driver

	Mfr Part Number	Supplier	Price	Usable Device Voltage (V)	Usable Device Current (A)	Output Current (A)	Short-Circuit Protection	Integral DC-DC Converter
<a href="#">Buy Now</a> <a href="#">pdf</a>	2SC0115T2A0-12	Power Integrations	\$33.65	1200	1400	15	Yes	Yes
<a href="#">Buy Now</a> <a href="#">pdf</a>	2SC0435T2F1-17	Power Integrations	\$93.56	1700		35	Yes	Yes
<a href="#">Buy Now</a> <a href="#">pdf</a>	2SC0435T2G1-17	Power Integrations	\$93.56	1700		35	Yes	Yes
<a href="#">Buy Now</a> <a href="#">pdf</a>	2SC0435T2H0-17	Power Integrations	\$93.56	1700		35	Yes	Yes
<a href="#">Buy Now</a> <a href="#">pdf</a>	2SC0535T2A1-33	Power Integrations	\$179.64	3300		35		
<a href="#">Buy Now</a> <a href="#">pdf</a>	2SC0650P2A0-17	Power Integrations	\$150.95	1700		50	Yes	Yes
<a href="#">Buy Now</a> <a href="#">pdf</a>	2SC0650P2C0-17	Power Integrations	\$175.64	1700		50	Yes	Yes
<a href="#">Buy Now</a> <a href="#">pdf</a>	CGD15FB45P1	Wolfspeed, A Cree Company	\$576.92	1200		2	Yes	
<a href="#">Buy Now</a> <a href="#">pdf</a>	CGD15HB62LP	Wolfspeed, A Cree Company	\$266.67	1200		14		
<a href="#">Buy Now</a> <a href="#">pdf</a>	CGD15HB62P1	Wolfspeed, A Cree Company	\$191.03	1200		9	Yes	
<a href="#">Buy Now</a> <a href="#">pdf</a>	CGD15SG00D2	Wolfspeed, A Cree Company	\$48.08	12		9		
<a href="#">Buy Now</a> <a href="#">pdf</a>	CRD-001	Wolfspeed, A Cree Company	\$48.08	1200		9	No	Yes

## Semiconductors - Discretes

### Diodes

#### Power Diodes

##### Silicon Carbide Diode

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT10DC120HJ	Microsemi	-	1200	10	Full Bridge	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT10SCD65K	Microsemi	\$2.63	650	10	Single	TO-220
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT10SDC120BCT	Microsemi	-	1200	10	Dual Common Cathode	TO-247
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT20DC120HJ	Microsemi	-	1200	20	Full Bridge	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT20SCD65K	Microsemi	\$4.79	650	20	Single	TO-220
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT20SCD65SA	Microsemi	-	650	20	Single	D2PAK
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X20DC120J	Microsemi	-	1200	20	Dual anti-parallel	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X20DC60J	Microsemi	\$36.43	600	20	Dual anti-parallel	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X21DC120J	Microsemi	-	1200	20	Dual parallel	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X21DC60J	Microsemi	\$36.43	600	20	Dual parallel	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X30DC60J	Microsemi	\$48.06	600	30	Dual anti-parallel	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X31DC60J	Microsemi	\$48.06	600	30	Dual parallel	SOT-227

## Semiconductors - Discretes

### Diodes

#### Power Diodes

##### Silicon Carbide Diode

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X40DC120J	Microsemi	-	1200	40	Dual anti-parallel	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X41DC120J	Microsemi	-	1200	40	Dual parallel	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X41DC60J	Microsemi	\$59.70	600	40	Dual parallel	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X50DC120J	Microsemi	-	1200	50	Dual anti-parallel	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X50DC60J	Microsemi	\$72.65	600	50	Dual anti-parallel	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X51DC120J	Microsemi	-	1200	50	Dual parallel	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X51DC60J	Microsemi	\$72.65	600	50	Dual parallel	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X60DC120J	Microsemi	-	1200	60	Dual anti-parallel	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X60DC60J	Microsemi	\$84.28	600	60	Dual anti-parallel	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X61DC120J	Microsemi	-	1200	60	Dual parallel	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT2X61DC60J	Microsemi	\$84.28	600	60	Dual parallel	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT40DC120HJ	Microsemi	-	1200	40	Full Bridge	SOT-227

## Semiconductors - Discretes

### Diodes

#### Power Diodes

##### Silicon Carbide Diode

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT40DC60HJ	Microsemi	\$103.62	600	40	Full Bridge	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTDC20H1201G	Microsemi	-	1200	20	Full Bridge	SP1
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTDC40H1201G	Microsemi	-	1200	40	Full Bridge	SP1
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTDC40H601G	Microsemi	\$120.04	600	40	Full Bridge	SP1
<a href="#">Buy Now</a> <a href="#">pdf</a>	C2D05120A	Wolfspeed, A Cree Company	\$4.15	1200	5	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C2D05120E	Wolfspeed, A Cree Company	\$3.11	1200	8.5	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C2D10120A	Wolfspeed, A Cree Company	\$12.25	1200	10	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C2D10120D	Wolfspeed, A Cree Company	\$9.79	1200	10	Dual Common Cathode	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D02060A	Wolfspeed, A Cree Company	\$0.61	600	2	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D02060E	Wolfspeed, A Cree Company	\$0.61	600	2	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D02060E-TR	Wolfspeed, A Cree Company	\$0.50	600	2	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D02060F	Wolfspeed, A Cree Company	\$0.43	600	2	Single	TO-220-F2

## Semiconductors - Discretes

### Diodes

#### Power Diodes

##### Silicon Carbide Diode

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D02065E	Wolfspeed, A Cree Company	\$0.61	650	4	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D02065E-TR	Wolfspeed, A Cree Company	\$0.53	650	4	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D03060A	Wolfspeed, A Cree Company	\$0.92	600	3	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D03060E	Wolfspeed, A Cree Company	\$0.92	600	3	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D03060E-TR	Wolfspeed, A Cree Company	\$0.75	600	3	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D03060F	Wolfspeed, A Cree Company	\$0.64	600	3	Single	TO-220-F2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D03065E	Wolfspeed, A Cree Company	\$0.97	650	5.5	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D03065E-TR	Wolfspeed, A Cree Company	\$0.79	650	5.5	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D04060A	Wolfspeed, A Cree Company	\$1.23	600	4	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D04060E	Wolfspeed, A Cree Company	\$1.23	600	4	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D04060E-TR	Wolfspeed, A Cree Company	\$1.00	600	4	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D04060F	Wolfspeed, A Cree Company	\$1.23	600	4	Single	TO-220-F2

## Semiconductors - Discretetes

### Diodes

#### Power Diodes

##### Silicon Carbide Diode

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D04065A	Wolfspeed, A Cree Company	-	650	4	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D04065E	Wolfspeed, A Cree Company	\$1.29	650	7.5	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D04065E-TR	Wolfspeed, A Cree Company	\$1.05	650	7.5	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D06060A	Wolfspeed, A Cree Company	\$1.84	600	6	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D06060F	Wolfspeed, A Cree Company	\$1.84	600	6	Single	TO-220-F2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D06060G	Wolfspeed, A Cree Company	\$1.84	600	6	Single	TO-263-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D06060G-TR	Wolfspeed, A Cree Company	\$1.51	600	6	Single	TO-263-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D06065A	Wolfspeed, A Cree Company	-	650	6	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D06065E	Wolfspeed, A Cree Company	\$1.93	650	9.5	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D06065I	Wolfspeed, A Cree Company	\$2.24	650	6	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D08060A	Wolfspeed, A Cree Company	\$2.45	600	8	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D08060G	Wolfspeed, A Cree Company	\$2.45	600	8	Single	TO-263-2



## Semiconductors - Discretes

### Diodes

#### Power Diodes

##### Silicon Carbide Diode

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D08060G-TR	Wolfspeed, A Cree Company	\$2.01	600	8	Single	TO-263-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D08065A	Wolfspeed, A Cree Company	\$1.81	650	8	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D08065E	Wolfspeed, A Cree Company	\$2.58	650	12	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D08065I	Wolfspeed, A Cree Company	\$2.88	650	8	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D10060A	Wolfspeed, A Cree Company	\$3.07	600	10	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D10060G	Wolfspeed, A Cree Company	\$3.07	600	14	Single	TO-263-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D10060G-TR	Wolfspeed, A Cree Company	\$2.51	600	14	Single	TO-263-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D10065A	Wolfspeed, A Cree Company	\$3.22	650	10	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D10065E	Wolfspeed, A Cree Company	\$3.22	650	15	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D10065I	Wolfspeed, A Cree Company	\$3.53	650	10	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D10170H	Wolfspeed, A Cree Company	\$24.53	1700	14.4	Single	TO-247-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D12065A	Wolfspeed, A Cree Company	\$3.86	650	12	Single	TO-220-2

## Semiconductors - Discretetes

### Diodes

#### Power Diodes

##### Silicon Carbide Diode

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D16060D	Wolfspeed, A Cree Company	\$4.91	600	16	Dual Common Cathode	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D16065A	Wolfspeed, A Cree Company	\$5.15	650	18	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D16065D	Wolfspeed, A Cree Company	\$5.15	650	22	Dual Common Cathode	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D1P7060Q	Wolfspeed, A Cree Company	\$0.61	600	1.7	Single	QFN
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D20060D	Wolfspeed, A Cree Company	\$6.13	600	28	Dual Common Cathode	TO-247
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D20065D	Wolfspeed, A Cree Company	\$6.44	650	28	Dual Common Cathode	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D25170H	Wolfspeed, A Cree Company	\$71.56	1700	26.3	Single	TO-247-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3D30065D	Wolfspeed, A Cree Company	\$9.66	650	36	Dual Common Cathode	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D02120A	Wolfspeed, A Cree Company	\$1.35	1200	2	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D02120E	Wolfspeed, A Cree Company	\$1.35	1200	4.5	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D02120E-TR	Wolfspeed, A Cree Company	\$1.10	1200	4.5	Single	TO-252-2

## Semiconductors - Discretes

### Diodes

#### Power Diodes

##### Silicon Carbide Diode

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D05120A	Wolfspeed, A Cree Company	\$3.37	1200	5	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D05120E	Wolfspeed, A Cree Company	\$3.37	1200	9	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D05120E-TR	Wolfspeed, A Cree Company	\$2.76	1200	9	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D08120A	Wolfspeed, A Cree Company	\$3.70	1200	11	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D08120E	Wolfspeed, A Cree Company	\$5.40	1200	12	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D08120E-TR	Wolfspeed, A Cree Company	\$4.42	1200	12	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D10120A	Wolfspeed, A Cree Company	\$6.75	1200	10	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D10120D	Wolfspeed, A Cree Company	\$6.75	1200	18	Dual Common Cathode	TO-247
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D10120E	Wolfspeed, A Cree Company	\$6.75	1200	16	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D10120E-TR	Wolfspeed, A Cree Company	\$5.52	1200	16	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D10120H	Wolfspeed, A Cree Company	\$6.75	1200	10	Single	TO-247-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D15120A	Wolfspeed, A Cree Company	\$10.12	1200	20	Single	TO-220-2

## Semiconductors - Discretes

### Diodes

#### Power Diodes

##### Silicon Carbide Diode

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D15120D	Wolfspeed, A Cree Company	\$10.12	1200	24	Single	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D15120H	Wolfspeed, A Cree Company	\$10.12	1200	15	Single	TO-247-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D20120A	Wolfspeed, A Cree Company	\$13.49	1200	20	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D20120D	Wolfspeed, A Cree Company	\$13.49	1200	32	Dual Common Cathode	TO-247
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D20120H	Wolfspeed, A Cree Company	\$13.49	1200	20	Single	TO-247-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D30120D	Wolfspeed, A Cree Company	\$20.24	1200	43	Dual Common Cathode	TO-247
<a href="#">Buy Now</a> <a href="#">pdf</a>	C4D40120D	Wolfspeed, A Cree Company	\$26.99	1200	54	Dual Common Cathode	TO-247
<a href="#">Buy Now</a> <a href="#">pdf</a>	C5D05170H	Wolfspeed, A Cree Company	\$8.79	1700	5	Single	TO-247-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C5D10170H	Wolfspeed, A Cree Company	\$17.89	1700	10	Single	TO-247-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C5D25170H	Wolfspeed, A Cree Company	\$47.02	1700	25	Single	TO-247-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	C5D50065D	Wolfspeed, A Cree Company	\$16.10	650	50	Single	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	CSD01060A	Wolfspeed, A Cree Company	\$0.82	600	1	Single	TO-220-2

## Semiconductors - Discretes

### Diodes

#### Power Diodes

##### Silicon Carbide Diode

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	CSD01060E	Wolfspeed, A Cree Company	\$0.55	600	1	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	CSD01060E-TR	Wolfspeed, A Cree Company	\$0.37	600	1	Single	TO-252-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	CVFD20065A	Wolfspeed, A Cree Company	\$8.05	650	20	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	E4D20120A	Wolfspeed, A Cree Company	\$15.52	1200	20	Single	TO-220-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC010SDA070B	Microsemi	\$5.35	700	10	Single	TO-247
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC010SDA070K	Microsemi	\$4.94	700	10	Single	TO-220
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC010SDA120B	Microsemi	\$7.29	1200	10	Single	TO-247-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC010SDA120K	Microsemi	\$6.88	1200	10	Single	TO-220
<a href="#">Buy Now</a>	MSC010SDA170B	Microsemi	\$10.63	1700	10	Single	TO-247
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC015SDA120B	Microsemi	\$8.98	1200	15	Single	TO-247-2
<a href="#">Buy Now</a>	MSC015SDA120K	Microsemi	-	1200	15	Single	TO-220
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC020SDA120B	Microsemi	\$12.18	1200	20	Single	TO-247-2

## Semiconductors - Discretes

### Diodes

#### Power Diodes

##### Silicon Carbide Diode

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC030SDA070B	Microsemi	\$9.69	700	60	Single	TO-247
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC030SDA070K	Microsemi	\$9.29	700	30	Single	TO-220
<a href="#">Buy Now</a>	MSC030SDA070S	Microsemi	\$10.21	700	30	Single	D3PAK
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC030SDA120B	Microsemi	\$13.67	1200	30	Single	TO-247-2
<a href="#">Buy Now</a>	MSC030SDA120K	Microsemi	\$13.27	1200	30	Single	TO-220
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC030SDA120S	Microsemi	\$14.43	1200	30	Single	D3PAK
<a href="#">Buy Now</a>	MSC030SDA170B	Microsemi	\$33.86	1700	30	Single	TO-247
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC050SDA070B	Microsemi	\$13.65	700	50	Single	TO-247-2
<a href="#">Buy Now</a>	MSC050SDA070S	Microsemi	\$14.17	700	50	Single	D3PAK
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC050SDA120B	Microsemi	\$20.84	1200	50	Single	TO-247-2
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC050SDA120S	Microsemi	\$22.00	1200	50	Single	D3PAK
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC050SDA170B	Microsemi	\$58.49	1700	62	Single	TO-247

## Semiconductors - Discretes

### Diodes

#### Power Diodes

##### Silicon Carbide Diode

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a>	MSCDCM200A120AG	Microsemi	-				
<a href="#">Buy Now</a>	MSCDCM250A120AG	Microsemi	-				
<a href="#">Buy Now</a>	MSCDCM600AA120A	Microsemi	-				
<a href="#">Buy Now</a>	MSCDCW200A120AG	Microsemi	-				

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## Semiconductors - Discretes

### GaN Power Transistor Test/Evaluation Product

	Mfr Part Number	Supplier	Price	Description
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS61004B-EVBDC	GaN Systems	\$426.47	100V E-HEMT FB EVB optimized for Class D Amplifier
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS61008P-EVBHF	GaN Systems	\$79.28	GS61008P Half-Bridge kit with high speed driver
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66508B-EVBDB1	GaN Systems	\$154.42	1.5kW half bridge daughter board
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66508T-EVBDB2	GaN Systems	\$154.42	2kW half bridge daughter board
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66516T-EVBDB2	GaN Systems	-	2.5kW half bridge daughter board
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS665MB-EVB	GaN Systems	\$121.80	650V universal motherboard
<a href="#">Buy Now</a> <a href="#">pdf</a>	GSP65MB-EVB	GaN Systems	\$212.86	Motherboard for IMS evaluations
<a href="#">Buy Now</a> <a href="#">pdf</a>	GSP65R13HB-EVB	GaN Systems	\$436.49	Generation 3 IMS high power half bridge assembly



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### GaN Power Transistor Test/Evaluation Product

	Mfr Part Number	Supplier	Price	Description
<a href="#">Buy Now</a> <a href="#">pdf</a>	GSP65R25HB-EVB	GaN Systems	\$341.43	Generation 3 IMS high power half bridge assembly
<a href="#">Buy Now</a>	GSWP050W-EVBPA	GaN Systems	\$386.67	50W, 6.78MHz Class EF2 Power Amplifier for WPT

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## Semiconductors - Discretes

### Silicon Carbide Modules

	Mfr Part Number	Supplier	Price	Configuration	Voltage (V)	Current (A)	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PY096PA035ME-L224F18Y	Vincotech	\$175.96	3xHalf Bridge	900	70	flow1 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT100MC120JCU2	Microsemi	\$295.30	Boost/SiC MOSFET/SiC diode	1200	100	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT50MC120JCU2	Microsemi	-	Boost/SiC MOSFET/SiC diode	1200	51	SOT-227
<a href="#">Buy Now</a>	APT50SM70JCU2	Microsemi	-	Boost Chopper	700	49	SOT-227
<a href="#">Buy Now</a>	APT50SM70JCU3	Microsemi	-	Buck Chopper	700	49	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC120AM08CD3AG	Microsemi	-	Phase leg/SiC Mosfet/SiC diode	1200	185	D3
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC120AM09CT3AG	Microsemi	\$1,119.20	Phase leg/SiC Mosfet/SiC diode	1200	200	SP3F
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC120AM12CT3AG	Microsemi	\$843.43	Phase leg/SiC Mosfet/SiC diode	1200	150	SP3F
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC120AM16CD3AG	Microsemi	-	Phase leg/SiC Mosfet/SiC diode	1200	102	D3
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC120AM20CT1AG	Microsemi	\$566.95	Phase leg/SiC Mosfet/SiC diode	1200	100	SP1

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## Semiconductors - Discretetes

### Silicon Carbide Modules

	Mfr Part Number	Supplier	Price	Configuration	Voltage (V)	Current (A)	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC120AM25CT3AG	Microsemi	-	Phase leg/SiC Mosfet/SiC diode	1200	80	SP3F
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC120AM55CT1AG	Microsemi	-	Phase leg/SiC Mosfet/SiC diode	1200	55	SP1
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC120HM17CT3AG	Microsemi	\$1,119.20	Full Bridge	1200	147	SP3F
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC120HM17CT3AG	Microsemi	\$1,119.20	Full Bridge	1200	147	SP3F
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC120HR11CT3AG	Microsemi	-	Phase leg/SiC Mosfet/SiC diode	1200	20	SP3F
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC120HRM40CT3AG	Microsemi	-	Phase leg/SiC Mosfet/SiC diode	1200	50	SP3F
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC120TAM12CTPAG	Microsemi	\$2,469.82	Triple Phase leg/SiC MOSFET/SiC diode	1200	150	SP6-P
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC120TAM17CTPAG	Microsemi	\$1,767.18	Triple Phase leg/SiC MOSFET/SiC diode	1200	100	SP6-P
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC120TAM33CTPAG	Microsemi	-	Triple Phase leg/SiC MOSFET/SiC diode	1200	60	SP6-P
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC120TAM34CT3AG	Microsemi	\$846.83	Triple Phase Leg	1200	74	SP3F

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### Silicon Carbide Modules

	Mfr Part Number	Supplier	Price	Configuration	Voltage (V)	Current (A)	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC170AM30CT1AG	Microsemi	\$1,267.70	Phase leg/SiC Mosfet/SiC diode	1700	80	SP1
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC170AM60CT1AG	Microsemi	\$646.14	Phase leg/SiC Mosfet/SiC diode	1700	40	SP1
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC60TL11CT3AG	Microsemi	-	Three level/SiC MOSFET/SiC diode	600	20	SP3F
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC60TLM14CAG	Microsemi	\$2,146.44	Three level/SiC MOSFET/SiC diode	600	160	SP6
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTMC60TLM55CT3AG	Microsemi	-	Triple Phase leg/SiC MOSFET/SiC diode	600	40	SP3F
<a href="#">Buy Now</a>	APTSM120AM08CT6AG	Microsemi	-	Phase leg/SiC Mosfet/SiC diode	1200	293	SP6
<a href="#">Buy Now</a>	APTSM120AM14CD3AG	Microsemi	-	Phase Leg	1200	180	
<a href="#">Buy Now</a>	APTSM120AM25CT3AG	Microsemi	-	Phase leg/SiC Mosfet/SiC diode	1200	148	SP3F
<a href="#">Buy Now</a>	APTSM120AM55CT1AG	Microsemi	-	Phase Leg	1200	74	SP1
<a href="#">Buy Now</a>	APTSM120TA10CT3AG	Microsemi	-	3 Phase Bridge	1200	30	SP3F

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### Silicon Carbide Modules

	Mfr Part Number	Supplier	Price	Configuration	Voltage (V)	Current (A)	Package Type
<a href="#">Buy Now</a>	APTSM120TAM33CTPAG	Microsemi	-	Triple Phase leg/SiC MOSFET/SiC diode	1200	89	SP6-P
<a href="#">Buy Now</a>	APTSM70AM05CT6AG	Microsemi	-	Phase Leg	700	480	SP6
<a href="#">Buy Now</a>	APTSM70AM06CD3AG	Microsemi	-	Phase Leg	700	440	D3
<a href="#">Buy Now</a>	APTSM70AM15CT3AG	Microsemi	-	Phase Leg	700	194	SP3F
<a href="#">Buy Now</a>	APTSM70AM30CT1AG	Microsemi	-	Phase Leg	700	97	SP1
<a href="#">Buy Now</a>	APTSM70HM30CT3AG	Microsemi	-	Full Bridge	700	97	SP3F
<a href="#">Buy Now</a>	APTSM70TAM20CTPAG	Microsemi	-	Triple Phase Leg	700	146	SP6-P
<a href="#">Buy Now</a>	APTSM70TAM60CT3AG	Microsemi	-	3 Phase Bridge	700	49	SP3F
<a href="#">Buy Now</a> <a href="#">pdf</a>	CAS120M12BM2	Wolfspeed, A Cree Company	\$326.80	Half-bridge/SiC MOSFET/SiC diode	1200	193	62x106
<a href="#">Buy Now</a> <a href="#">pdf</a>	CAS300M12BM2	Wolfspeed, A Cree Company	\$555.56	Half-bridge/SiC MOSFET/SiC diode	1200	300	62x106
<a href="#">Buy Now</a> <a href="#">pdf</a>	CAS300M17BM2	Wolfspeed, A Cree Company	\$849.67	Half-bridge/SiC MOSFET/SiC diode	1700	300	62x106

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### Silicon Carbide Modules

	Mfr Part Number	Supplier	Price	Configuration	Voltage (V)	Current (A)	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	CAS325M12HM2	Wolfspeed, A Cree Company	\$1,366.01	Half Bridge	1200	325	65 x 110 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	CCS020M12CM2	Wolfspeed, A Cree Company	\$196.08	Three phase Bridge/SiC MOSFETs/SiC Diode	1200	20	47x108
<a href="#">Buy Now</a> <a href="#">pdf</a>	CCS050M12CM2	Wolfspeed, A Cree Company	\$392.16	3 phase Bridge/SiC MOSFET/SiC Diode	1200	50	47x108
<a href="#">Buy Now</a> <a href="#">pdf</a>	30-FT123BA040MR-L878L08	Vincotech	\$159.51	Booster	1200	35	flow2 13mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FY12B2A040MR-L387L68	Vincotech	\$96.33	Booster	1200	30	flow1 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FY12B2A040MR02-L387L63	Vincotech	\$109.04	Booster	1200	35	flow1 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSCMC120AM02CT6LIAG	Microsemi	\$3,747.57	Phase Leg	1200	586	SP6LI
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSCMC120AM03CT6LIAG	Microsemi	\$3,159.60	Phase Leg	1200	475	SP6LI
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSCMC120AM04CT6LIAG	Microsemi	\$2,121.19	Phase Leg	1200	307	SP6LI
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSCMC120AM07CT6LIAG	Microsemi	\$1,654.73	Phase Leg	1200	210	SP6LI
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSCMC170AM08CT6LIAG	Microsemi	\$3,691.42	Phase Leg	1700	207	SP6LI

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### Silicon Carbide Modules

	Mfr Part Number	Supplier	Price	Configuration	Voltage (V)	Current (A)	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PC094PB017ME02-L620F36Y	Vincotech	\$179.45	H-Bridge	900	140	flow0 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PC094PB035ME02-L629F36Y	Vincotech	\$126.16	Dual Half-Bridge	900	38	flow0 17mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PC094PB065ME01-L637F06Y-/3/	Vincotech	\$65.26	H-bridge/Split Output/SiC MOSFET	900	33	flow0 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PC124PA040MR-L638F18Y	Vincotech	\$111.16	Full Bridge	1200	33	flow0 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PG12NAB008MR02-LC59F36T	Vincotech	\$209.84	ANPC	2400	150	flow1 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PG12NAB008MR04-LC59F46T	Vincotech	\$216.45	ANPC	2400	150	flow1 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PG12NAC008MR02-LC69F36T	Vincotech	\$209.84	ANPC	2400	150	flow1 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PG12NAC008MR04-LC69F46T	Vincotech	\$216.45	ANPC	2400	150	flow1 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PY126PA020ME-L227F18Y	Vincotech	\$758.91	Sixpack	1200	50	flow1 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PY126PA020MR-L227F28Y	Vincotech	\$320.67	Sixpack	1200	50	flow1 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PY126PA040MR-L226F28Y	Vincotech	\$166.75	Sixpack	1200	35	flow1 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PZ123BA040MR01-M909L68Y	Vincotech	\$117.05	Booster	1200	35	flow0 12mm

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### Silicon Carbide Modules

	Mfr Part Number	Supplier	Price	Configuration	Voltage (V)	Current (A)	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PZ123BA080ME-M909L18Y	Vincotech	\$102.08	Triple boost/SiC MOSFET/SiC diode	1200	23	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PZ123BA080MR-M909L28Y	Vincotech	\$94.73	Triple boost/SiC MOSFET/SiC diode	1200	32	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PZ126PA080ME-M909F18Y	Vincotech	\$180.81	3 phase inverter/SiC MOSFET/SiC diode	1200	23	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PZ126PA080MR-M909F28Y	Vincotech	\$147.76	3 phase inverter/split output/SiC MOSFET/SiC diode	1200	35	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PZ12B2A040ME01-M330L63Y	Vincotech	\$134.77	Dual boost/SiC MOSFET/SiC diode	1200	64	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PZ12B2A040MR01-M330L68Y	Vincotech	\$118.52	Dual boost/SiC MOSFET/SiC diode	1200	70	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PZ12NMA027ME-M340F63Y	Vincotech	\$154.33	NPC/MOSFET/IGBT /SiC diode	1200	50	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PZ12NMA027MR-M340F68Y	Vincotech	\$153.86	NPC/MOSFET/IGBT /SiC diode	1200	40	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	V23990-P629-L81-PM	Vincotech	\$62.75	Booster	1200	35	flow0 12mm



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### Silicon Carbide Modules

	Mfr Part Number	Supplier	Price	Configuration	Voltage (V)	Current (A)	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	V23990-P629-L83-PM	Vincotech	\$73.58	Booster	1200	35	flow0 12mm

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### Silicon Carbide Test/Evaluation Products

	Mfr Part Number	Supplier	Price	Description
<a href="#">Buy Now</a>	CRD-02AD09N	Wolfspeed, A Cree Company	-	2.2 KW Bridgeless Totem-Pole PFC with SiC MOSFET
<a href="#">Buy Now</a>	CRD-060DD12P	Wolfspeed, A Cree Company	\$265.15	60W auxiliary supply with 1700V SiC MOSFET
<a href="#">Buy Now</a> <a href="#">pdf</a>	CRD-060DD17P-2	Wolfspeed, A Cree Company	\$239.74	48W Auxiliary Power Supply eval board
<a href="#">Buy Now</a> <a href="#">pdf</a>	CRD-06600FF10N	Wolfspeed, A Cree Company	-	6.6 kW Bi-Directional EV On-Board Charger
<a href="#">Buy Now</a>	CRD-15DD17P	Wolfspeed, A Cree Company	\$32.05	15 W Flyback Auxiliary Power Supply Board
<a href="#">Buy Now</a>	CRD-20DD09P-2	Wolfspeed, A Cree Company	\$4,375.00	20kW full bridge resonant LLC converter reference
<a href="#">Buy Now</a>	CRD-50DD12N	Wolfspeed, A Cree Company	-	50kW 4-phase, interleaved boost converter

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### Silicon Carbide Test/Evaluation Products

	Mfr Part Number	Supplier	Price	Description
<a href="#">Buy Now</a>	CRD-5FF0912P	Wolfspeed, A Cree Company	\$288.46	High-frequency evaluation board for C3M0120090J
<a href="#">Buy Now</a>	CRD-60DD12N	Wolfspeed, A Cree Company	-	60 kW Interleaved Boost Converter
<a href="#">Buy Now</a>	CRD8DD12P	Wolfspeed, A Cree Company	-	8kW LLC full bridge resonant converter
<a href="#">Buy Now</a> <a href="#">pdf</a>	EVA-M909F18Y	Vincotech	-	Eval board for M909-F18 3-phase bridge modules
<a href="#">Buy Now</a> <a href="#">pdf</a>	KIT8020-CRD-5FF0917P-2	Wolfspeed, A Cree Company	\$255.13	Evaluation board using C3M0075120K
<a href="#">Buy Now</a> <a href="#">pdf</a>	KIT8020-CRD-8FF1217P-1	Wolfspeed, A Cree Company	\$255.13	Evaluation board using C2M0080120D
<a href="#">Buy Now</a> <a href="#">pdf</a>	N/A	Wolfspeed, A Cree Company	-	Buck Boost Evaluation Kit for C3M Series
<a href="#">Buy Now</a>	MSCSICMDD/REF1	Microsemi	\$401.30	8W Dual SiC MOSFET ref design
<a href="#">Buy Now</a>	MSCSICPFC/REF5	Microsemi	-	Vienna PFC Reference Design

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### Silicon Carbide Test/Evaluation Products

	Mfr Part Number	Supplier	Price	Description
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSCSICSP3/REF2	Microsemi	-	SiC SP3 Module Driver Reference Design
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSCSICSP6/REF3	Microsemi	-	Low Inductance SP6LI Driver Reference Design

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## Semiconductors - Discretes

### Silicon Carbide/Silicon Hybrid Modules

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FY06RIA080MF-M537D68	Vincotech	\$36.26	650	20	Single-phase Inverter	flow1 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FZ062TA099FS05-P980D68	Vincotech	\$35.49	600	18	PFC	flow0 12mm
<a href="#">Buy Now</a>	20-1B06IPA004MC-P953A10	Vincotech	-	600	4	Full bridge/Inverter/Integrated driver/SiC diode	36x72
<a href="#">Buy Now</a> <a href="#">pdf</a>	20-1B06IPB010RC02-L815A49	Vincotech	\$25.81	600	10	Converter+Inverter+PFC	flow1B
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT15GF120JCU2	Microsemi	-	1200	15	Boost/IGBT/SiC diode	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT20M120JCU2	Microsemi	-	1200	15	Boost/MOSFET/SiC diode	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT20M120JCU3	Microsemi	-	1200	15	Buck/MOSFET/SiC diode	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT25GF120JCU2	Microsemi	-	1200	25	Boost/IGBT/SiC diode	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT25GLQ120JCU2	Microsemi	-	1200	25	Boost/IGBT/SiC diode	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT26M100JCU2	Microsemi	-	1000	20	Boost/MOSFET/SiC diode	SOT-227

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### Silicon Carbide/Silicon Hybrid Modules

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT26M100JCU3	Microsemi	-	1000	20	Buck/MOSFET/SiC diode	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT33N90JCCU2	Microsemi	-	900	25	Boost/COOLMOS/SiC diode	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT40GLQ120JCU2	Microsemi	-	1200	40	Boost/IGBT/SiC diode	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT50GF60JCU2	Microsemi	-	600	50	Boost/IGBT/SiC diode	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT50N60JCCU2	Microsemi	\$37.45	600	38	Boost/COOLMOS/SiC diode	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT58M50JCU2	Microsemi	\$33.26	500	43	Boost/MOSFET/SiC diode	SOT-227
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC60AM18SCG	Microsemi	\$275.63	600	107	Phase leg/COOLMOS/series diode/SiC diode	SP6
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC60AM24SCTG	Microsemi	\$167.16	600	70	Phase leg/COOLMOS/series diode/SiC diode	SP4
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC60AM35SCTG	Microsemi	\$143.62	600	54	Phase leg/COOLMOS/series diode/SiC diode	SP4

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### Silicon Carbide/Silicon Hybrid Modules

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC60AM45BC1G	Microsemi	\$69.77	600	49	Boost/Phase leg/COOLMOS/IGBT/SiC diode	SP1
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC60DAM18CTG	Microsemi	\$150.96	600	107	Boost/COOLMOS/SiC diode	SP4
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC60HM45SCTG	Microsemi	\$165.82	600	38	Full bridge/COOLMOS/series diode/SiC diode	SP4
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC60HM70SCTG	Microsemi	\$144.73	600	29	Full bridge/COOLMOS/series diode/SiC diode	SP4
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC60SKM24CT1G	Microsemi	\$74.58	600	70	Buck/COOLMOS/SiC diode	SP1
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC60TAM21SCTPAG	Microsemi	\$425.37	600	116	Triple phase leg/COOLMOS/SiC diode	SP6-P
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC80A10SCTG	Microsemi	-	800	32	Phase leg/COOLMOS/series diode/SiC diode	SP4
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC80A15SCTG	Microsemi	\$113.34	800	21	Phase leg/COOLMOS/series diode/SiC diode	SP4

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## Semiconductors - Discretes

### Silicon Carbide/Silicon Hybrid Modules

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC80AM75SCG	Microsemi	-	800	43	Phase leg/COOLMOS/series diode/SiC diode	SP6
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC80H29SCTG	Microsemi	-	800	11	Full bridge/COOLMOS/series diode/SiC diode	SP4
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC90AM60SCTG	Microsemi	-	900	44	Phase leg/COOLMOS/series diode/SiC diode	SP4
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC90DAM60CT1G	Microsemi	-	900	44	Boost/COOLMOS/SiC diode	SP1
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC90H12SCTG	Microsemi	-	900	23	Full bridge/COOLMOS/series diode/SiC diode	SP4
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTC90SKM60CT1G	Microsemi	-	900	44	Buck/COOLMOS/SiC diode	SP1
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTCV40H60CT1G	Microsemi	\$60.33	600	50	Full bridge/COOLMOS/IGBT/SiC diode	SP1



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### Silicon Carbide/Silicon Hybrid Modules

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTCV60HM45BC20T3G	Microsemi	\$94.48	600	50	Boost/COOLMOS/SiC diode+Full bridge/COOLMOS/IGBT	SP3
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTCV60HM45RCT3G	Microsemi	\$93.43	600	50	Fast rect bridge+Full bridge/COOLMOS/IGBT/diode	SP3
<a href="#">Buy Now</a>	APTGF50DA120CT1G	Microsemi	-	1200	50	Boost/IGBT/SiC diode	SP1
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTGLQ40DDA120CT3G	Microsemi	-	1200	40	Dual boost/IGBT/SiC diode	SP3F
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTGLQ40HR120CT3G	Microsemi	\$62.71	1200	40	Phase leg/dual CE/IGBT/SiC diode	SP3F
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTGLQ80HR120CT3G	Microsemi	\$104.23	1200	80	Phase leg/dual CE/IGBT/SiC diode	SP3F
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTM100A13SCG	Microsemi	-	1000	49	Phase leg/MOSFET/series diode/SiC diode	SP6
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTM100H45SCTG	Microsemi	-	1000	14	Full bridge/MOSFET/series diode/SiC diode	SP4

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## Semiconductors - Discretes

### Silicon Carbide/Silicon Hybrid Modules

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTM100TA35SCTPG	Microsemi	-	1000	22	Triple phase leg/MOSFET/series diode/SiC diode	SP6-P
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTM100UM65SCAVG	Microsemi	-	1000	110	Single MOSFET/series diode/SiC diode	SP6
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTM120DA30CT1G	Microsemi	-	1200	23	Boost/MOSFET/SiC diode	SP1
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTM120U10SCAVG	Microsemi	-	1200	86	Single MOSFET/series diode/SiC diode	SP6
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTM50AM24SCG	Microsemi	\$295.34	500	110	Phase leg/MOSFET/series diode/SiC diode	SP6
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTM50AM38SCTG	Microsemi	\$176.08	500	67	Phase leg/MOSFET/series diode/SiC diode	SP4
<a href="#">Buy Now</a> <a href="#">pdf</a>	APTM50HM75SCTG	Microsemi	\$162.19	500	34	Full bridge/MOSFET/series diode/SiC diode	SP4
<a href="#">Buy Now</a>	CMH150DY-24NFH	Powerex	-	1200	150	Hybrid Dual	94 mm x 48 mm

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## Semiconductors - Discretes

### Silicon Carbide/Silicon Hybrid Modules

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a>	CMH200DU-24NFH	Powerex	-	1200	200	Dual	108x62
<a href="#">Buy Now</a>	CMH400DU-24NFH	Powerex	-	1200	400	Hybrid Dual	110 x 80 mm
<a href="#">Buy Now</a>	10-EY07BIA030SM03-L035E18T	Vincotech	-				
<a href="#">Buy Now</a>	10-F0062TA099FH02-P980D49	Vincotech	-	600	20	Dual boost/1PH rect/SCR/COOLMOS/ SiC diode	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-F0062TA099FS-P980D59	Vincotech	\$27.53	600	18	PFC Module	flow0 17mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-F006PPA020SB01-M685B10	Vincotech	\$32.95	600	20	Full bridge/Boost/3 phase/COOLMOS/IG BT/SiC diode	33x66
<a href="#">Buy Now</a>	10-F006PPA020SB03-M685B10	Vincotech	-				
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-F007NIA030SM01-P965F49	Vincotech	\$26.28	650	30	NPC	flow0 17mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-F007NRA050SG-P966F09	Vincotech	\$35.87	650	50	NPC	flow0 17mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FY06BIA080MF-M527E58	Vincotech	\$53.30	650	20	Dual boost/H bridge/COOLMOS/Si C diode	37x82

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	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FY07BIA041MC-M528E58	Vincotech	\$111.27	650	36	Dual boost/pseudo H bridge/MOSFET/SiC diode	37x82
<a href="#">Buy Now</a>	10-FY12B2A040ME-L387L08	Vincotech	\$180.25				
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FZ062TA099FH-P980D18	Vincotech	\$36.69	600	25	Dual boost/1PH rect/COOLMOS/SiC diode	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FZ062TA099FH01-P980D28	Vincotech	\$37.10	600	25	Dual boost/1PH rect/SCR/COOLMOS/SiC diode	33x66
<a href="#">Buy Now</a>	10-FZ062UA040FP01-P982D28	Vincotech	-	600	40	Dual boost/1PH rect/SCR/MOSFET/IGBT/SiC diode	33x66
<a href="#">Buy Now</a>	10-FZ06BIA041FS01-P898E10	Vincotech	\$45.76	600	54	Boost/H bridge/COOLMOS/IGBT/SiC diode	33x66
<a href="#">Buy Now</a>	10-FZ06BIA045FH-P897E	Vincotech	\$56.76	600	35	Boost/H bridge/MOSFET/IGBT/SiC diode	33x66
<a href="#">Buy Now</a>	10-FZ06BIA045FH01-P897E10	Vincotech	\$52.95	600	35	Boost/H bridge/COOLMOS/IGBT/SiC diode	33x66

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### Silicon Carbide/Silicon Hybrid Modules

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FZ06BIA045FH02-P897D	Vincotech	\$57.12	600	35	Boost/H bridge open emitter/MOSFET/IGBT/SiC diode	33x66
<a href="#">Buy Now</a>	10-FZ06BIA070FS-P894E	Vincotech	\$32.50	600	25	Boost/H bridge/MOSFET/IGBT/SiC diode	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FZ06BIA083FI-P896E	Vincotech	\$51.12	600	30	Boost/H bridge/MOSFET/SiC diode	33x66
<a href="#">Buy Now</a>	10-FZ06BIA099FS-P893E	Vincotech	\$38.40	600	18	Boost/H bridge/MOSFET/IGBT/SiC diode	33x66
<a href="#">Buy Now</a>	10-FZ06BIA150FI-P892E21-/3/	Vincotech	-				
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FZ06NBA041FS01-P915L78	Vincotech	\$47.60	600	39	Symmetric Boost	Flow 0
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FZ06NBA045FH-P915L	Vincotech	\$101.79	600	35	Symmetric boost/MOSFET/SiC diode	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FZ06NBA084FP-M306L48	Vincotech	\$62.82	600	84	Symmetric boost/MOSFET/IGBT/SiC diode	33x66

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### Silicon Carbide/Silicon Hybrid Modules

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FZ06NBA110FP-M306L28	Vincotech	\$69.58	600	110	Symmetric boost/MOSFET/IGBT/SiC diode	33x66
<a href="#">Buy Now</a>	10-FZ06NIA045FH-P925F	Vincotech	\$51.29	600	75	NPC/MOSFET/IGBT/SiC diode	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FZ06NPA045FP-P967F	Vincotech	\$47.15	600	45	NPC/MOSFET/IGBT/SiC diode	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FZ06NPA070FP-P969F	Vincotech	\$63.98	600	70	NPC/MOSFET/IGBT/SiC diode	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FZ06NRA041FS02-P965F68	Vincotech	\$46.16	600	30	NPC/COOLMOS/IGBT/SiC diode	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FZ06NRA045FH-P965F	Vincotech	\$55.67	600	30	NPC/MOSFET/IGBT/SiC diode	33x66
<a href="#">Buy Now</a>	10-FZ06NRA069FP02-P967F78	Vincotech	-	600	60	NPC/COOLMOS parallel IGBT/IGBT/SiC diode	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FZ06NRA069FP02-P967F68	Vincotech	\$50.80	600	60	NPC	flow0 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FZ06NRA084FP02-P969F68	Vincotech	\$56.61	600	75	NPC/COOLMOS parallel IGBT/IGBT/SiC diode	33x66

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### Silicon Carbide/Silicon Hybrid Modules

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a>	10-FZ06NRA099FS-P963F68	Vincotech	\$34.12	600	18	NPC/COOLMOS/IGBT/SiC diode	33x66
<a href="#">Buy Now</a>	10-FZ06RIA045FH-P906D	Vincotech	\$42.74	600	30	Full bridge/H bridge/MOSFET/IGBT/SiC diode	33x66
<a href="#">Buy Now</a>	10-FZ07NRA030SM01-P965F49	Vincotech	-				
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FZ122PA100SC02-P999F78-/3/	Vincotech	-	1200	100	Half Bridge	flow0 12mm
<a href="#">Buy Now</a>	10-P0062TB070FS09-M196D59Y	Vincotech	-				
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PG12NAB008MR02-LC59F18T	Vincotech	-	1200	72	ANPC	flow 1
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PG12NAC008MR02-LC69F18T	Vincotech	-	1200	72	ANPC	flow 1
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PY06NRA021FS-M410FY	Vincotech	\$91.43	600	58	NPC/MOSFET/SiC diode	37x82
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PY06NRA041FS-M413FY	Vincotech	\$54.49	600	29	NPC/MOSFET/SiC diode	37x82
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PZ06NBA041FS-P915L68Y	Vincotech	\$33.15	600	35	Symmetric boost/MOSFET/SiC diode	33x66

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### Silicon Carbide/Silicon Hybrid Modules

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PZ06NRA041FS02-P965F68Y	Vincotech	-	600	30	NPC/MOSFET/IGBT/ SiC diode	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PZ07BIA030SM01-P894E68Y	Vincotech	\$30.83	650	30	Boost + H Bridge	flow0 12mm
<a href="#">Buy Now</a>	10-PZ12NMA030MR-M340F18Y	Vincotech	-	1200	55	Single	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	QID1210005	Powerex	-	1200	100	Split dual IGBT/SiC diode	56x110
<a href="#">Buy Now</a> <a href="#">pdf</a>	QID1210006	Powerex	-	1200	100	Split dual IGBT/SiC diode	56x110
<a href="#">Buy Now</a> <a href="#">pdf</a>	QID1210007	Powerex	-	1200	100	Split dual IGBT/SiC diode	56x110
<a href="#">Buy Now</a>	V23990-P621-L58Y-/3/-PM	Vincotech	-				
<a href="#">Buy Now</a> <a href="#">pdf</a>	V23990-P629-F62-PM	Vincotech	\$99.34	1200	40	Single	Module
<a href="#">Buy Now</a> <a href="#">pdf</a>	V23990-P629-F63-PM	Vincotech	\$135.73	1200	40	Booster	flow0 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	V23990-P629-L43-PM	Vincotech	\$44.60	1200	50	Booster	flow0 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	V23990-P629-L43PM	Vincotech	-	1200	50	Booster	flow0 12mm



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### Silicon Carbide/Silicon Hybrid Modules

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	V23990-P629-L43Y-PM	Vincotech	-	1200	50	Booster	flow0 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	V23990-P629-L49-PM	Vincotech	\$30.20	1200	40	Dual boost/HS IGBT/SiC diodes	33x66
<a href="#">Buy Now</a>	V23990-P629-L57-PM	Vincotech	\$51.69				
<a href="#">Buy Now</a> <a href="#">pdf</a>	V23990-P629-L59-PM	Vincotech	\$17.74	1200	40	Dual boost/HS IGBT/SiC diodes	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	V23990-P629-L63-PM	Vincotech	\$43.93	1200	40	Dual boost/Ufast IGBT/SiC diodes	33x66
<a href="#">Buy Now</a> <a href="#">pdf</a>	V23990-P629-L63Y-PM	Vincotech	-	1200	40	Booster	flow0 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	V23990-P629-L99-PM	Vincotech	\$78.98	1200	40	Dual boost/Ufast IGBT/SiC diodes	33x66

## Semiconductors - Discretes

### Transistors

#### Power Transistors

#### GaN Power Transistor

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Rds(on) (mΩ)	Package Type	Dimensions (mm)
<a href="#">Buy Now</a>	GS-010-120-1-P-E01-MR	GaN Systems	-	100	120	5		7.6 mm x 4.6 mm x 0.54 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS-065-004-1-L-E01-B	GaN Systems	\$4.46	650	3.5	500	Bulk	4.9 mm x 5.9 mm x 0.75 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS-065-004-1-L-E01-MR	GaN Systems	\$2.76	650	3.5	500	Mini Reel	4.9 mm x 5.9 mm x 0.75 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS-065-008-1-L-E01-B	GaN Systems	\$4.18	650	8	225	Bulk	4.9 mm x 5.9 mm x 0.75 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS-065-008-1-L-E01-MR	GaN Systems	\$3.42	650	8	225	Mini Reel	4.9 mm x 5.9 mm x 0.75 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS-065-011-1-L-E01-B	GaN Systems	\$5.20	650	11	150	Bulk	4.9 mm x 5.9 mm x 0.75 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS-065-011-1-L-E01-MR	GaN Systems	\$3.98	650	11	150	Bulk	4.9 mm x 5.9 mm x 0.75 mm
<a href="#">Buy Now</a>	GS-065-080-1-D-E01	GaN Systems	-	650	80	18		6.6 mm x 5.6 mm
<a href="#">Buy Now</a>	GS-065-150-1-D-E01	GaN Systems	-	650	150	10		12.56 mm x 5.60 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS61004B-E01-B	GaN Systems	\$5.37	100	45	15	Bulk	4.6 mm x 4.4 mm x 0.51 mm

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## Semiconductors - Discretes

### Transistors

#### Power Transistors

##### GaN Power Transistor

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Rds(on) (mΩ)	Package Type	Dimensions (mm)
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS61004B-E01-MR	GaN Systems	\$4.74	100	45	15	Mini Reel	4.6 mm x 4.4 mm x 0.51 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS61008P-E05-B	GaN Systems	\$8.29	100	90	7	Bulk	7.6 mm x 4.6 mm x 0.51 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS61008P-E05-MR	GaN Systems	\$7.25	100	90	7	Mini Reel	7.6 mm x 4.6 mm x 0.51 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS61008T-E01-B	GaN Systems	\$7.39	100	90	7	Bulk	7.0 mm x 4.0 mm x 0.54 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS61008T-E01-MR	GaN Systems	\$6.73	100	90	7	Mini Reel	7.0 mm x 4.0 mm x 0.54 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66502B-E01-B	GaN Systems	\$8.89	650	7.5	200	Bulk	5.0 mm x 6.6 mm x 0.51 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66502B-E01-MR	GaN Systems	\$7.69	650	7.5	200	Mini Reel	5.0 mm x 6.6 mm x 0.51 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66504B-E01-B	GaN Systems	\$11.53	650	15	100	Bulk	5.0 mm x 6.6 mm x 0.51 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66504B-E01-MR	GaN Systems	\$9.98	650	15	100	Mini Reel	5.0 mm x 6.6 mm x 0.51 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66504B-E01-TR	GaN Systems	-	650	15	100	Tape and Reel	5.0 mm x 6.6 mm x 0.51 mm

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## Semiconductors - Discretes

### Transistors

#### Power Transistors

##### GaN Power Transistor

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Rds(on) (mΩ)	Package Type	Dimensions (mm)
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66506T-E01-B	GaN Systems	\$16.31	650	22.5	67	Bulk	5.5 mm x 4.5 mm x 0.54 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66506T-E01-MR	GaN Systems	\$11.78	650	22.5	67	Mini Reel	5.5 mm x 4.5 mm x 0.54 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66508B-E01-B	GaN Systems	\$16.15	650	30	50	Bulk	7.1 mm x 8.5 mm x 0.56 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66508B-E01-MR	GaN Systems	\$13.97	650	30	50	Mini Reel	7.1 mm x 8.5 mm x 0.56 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66508P-E05-B	GaN Systems	\$22.76	650	30	50	Bulk	10.0 mm x 8.7 mm x 0.51 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66508P-E05-MR	GaN Systems	\$19.50	650	30	50	Mini Reel	10.0 mm x 8.7 mm x 0.51 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66508T-E02-B	GaN Systems	\$15.43	650	30	50	Bulk	7.0 mm x 4.5 mm x 0.54 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66508T-E02-MR	GaN Systems	\$12.98	650	30	50	Mini Reel	7.0 mm x 4.5 mm x 0.54 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66508T-TR	GaN Systems	-	650	30	50	Tape and Reel	7.0 mm x 4.5 mm x 0.54 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66516B-E01-B	GaN Systems	\$42.50	650	60	25	Bulk	11.0 mm x 9.0 mm x 0.54 mm

## Semiconductors - Discretes

### Transistors

#### Power Transistors

##### GaN Power Transistor

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Rds(on) (mΩ)	Package Type	Dimensions (mm)
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66516B-E01-MR	GaN Systems	\$34.09	650	60	25	Mini Reel	11.0 mm x 9.0 mm x 0.54 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66516T-E02-B	GaN Systems	\$39.43	650	60	25	Bulk	9.0 mm x 7.6 mm x 0.54 mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	GS66516T-E02-MR	GaN Systems	\$33.82	650	60	25	Mini Reel	9.0 mm x 7.6 mm x 0.54 mm

##### Power IGBT Transistor

	Mfr Part Number	Supplier	Price	Configuration	Voltage (V)	Current (A)	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-0B06PPA006RC-L023A09	Vincotech	\$12.17	Full bridge+PFC+3 phase invert/IGBT/SiC diodes	600	6	35x37
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-0B06PPA010RC01-L025A19	Vincotech	\$16.79	Full bridge+PFC+3 phase invert/IGBT/SiC diodes	600	10	35x37
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT40GR120B2SCD10	Microsemi	\$12.18	Single Ufast NPT IGBT/SiC diode	1200	40	TO-247

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##### Power IPM Transistor

Mfr Part Number	Supplier	Price	Configuration	Voltage (V)	Current (A)	Package Type
<a href="#">Buy Now</a> PSF15S92F6-A	Mitsubishi Electric	-		600	15	

##### Power MOSFET Transistor

Mfr Part Number	Supplier	Price	Voltage (V)	On-State Resistance (mΩ)	Current (A)	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a> 10-FZ063BA040MF-M575L08	Vincotech	\$30.93	600	41	40	flow0 12mm

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	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Rds(on) (mΩ)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PC094PB065ME01-L637F06Y	Vincotech	-	900	33	65	H-bridge/Split Output/SiC MOSFET	flow0 12mm
<a href="#">Buy Now</a>	APT25SM120S	Microsemi	-	1200	25	140	Single SiC MOSFET	D3PAK
<a href="#">Buy Now</a> <a href="#">pdf</a>	APT70SM70S	Microsemi	\$14.27	700	65	53	Single SiC MOSFET	D3PAK
<a href="#">Buy Now</a>	APTSM70HM37CT3AG	Microsemi	-					
<a href="#">Buy Now</a>	APTSM70HM60CT1G	Microsemi	-					
<a href="#">Buy Now</a> <a href="#">pdf</a>	C2M0025120D	Wolfspeed, A Cree Company	\$68.46	1200	60	25	Single SiC MOSFET	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	C2M0040120D	Wolfspeed, A Cree Company	\$33.46	1200	40	40	Single SiC MOSFET	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	C2M0045170D	Wolfspeed, A Cree Company	\$83.85	1700	72	45	Single SiC MOSFET	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	C2M0045170P	Wolfspeed, A Cree Company	\$76.92	1700	72	45	Single SiC MOSFET	TO-247-4 Plus
<a href="#">Buy Now</a> <a href="#">pdf</a>	C2M0080120D	Wolfspeed, A Cree Company	\$19.23	1200	20	80	Single SiC MOSFET	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	C2M0080170P	Wolfspeed, A Cree Company	\$34.62	1700	40	80	Single SiC MOSFET	TO-247-4 Plus
<a href="#">Buy Now</a> <a href="#">pdf</a>	C2M0160120D	Wolfspeed, A Cree Company	\$8.17	1200	10	160	Single SiC MOSFET	TO-247-3

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	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Rds(on) (mΩ)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	C2M0280120D	Wolfspeed, A Cree Company	\$5.32	1200	10	280	Single SiC MOSFET	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	C2M1000170D	Wolfspeed, A Cree Company	\$5.15	1700	4.9	1000	Single SiC MOSFET	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	C2M1000170J	Wolfspeed, A Cree Company	\$5.48	1700	5.3	1000	Single SiC MOSFET	TO-263-7
<a href="#">Buy Now</a> <a href="#">pdf</a>	C2M1000170J-TR	Wolfspeed, A Cree Company	-	1700	5.3	1000	Single SiC MOSFET	TO-263-7
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0030090K	Wolfspeed, A Cree Company	\$27.08	900	63	30	Single SiC MOSFET	TO-247-4
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0065090D	Wolfspeed, A Cree Company	\$9.82	900	36	65	Single SiC MOSFET	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0065090J	Wolfspeed, A Cree Company	\$10.14	900	35	65	Single SiC MOSFET	TO-263-7
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0065090J-TR	Wolfspeed, A Cree Company	-	900	35	65	Single SiC MOSFET	TO-263-7
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0065100J	Wolfspeed, A Cree Company	\$11.92	1000	35	65	Single SiC MOSFET	TO-263-7
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0065100J-TR	Wolfspeed, A Cree Company	-	1000	35	65	Single SiC MOSFET	TO-263-7
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0065100K	Wolfspeed, A Cree Company	\$11.92	1000	35	65	Single SiC MOSFET	TO-247-4
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0075120D	Wolfspeed, A Cree Company	\$13.46	1200	30	75	Single SiC MOSFET	TO-247-3



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	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Rds(on) (mΩ)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0075120J	Wolfspeed, A Cree Company	\$13.85	1200	30	75	Single SiC MOSFET	TO-263-7
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0075120J-TR	Wolfspeed, A Cree Company	-	1200	30	75	Single SiC MOSFET	TO-263-7
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0075120K	Wolfspeed, A Cree Company	\$13.85	1200	30	75	Single SiC MOSFET	TO-247-4
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0120090D	Wolfspeed, A Cree Company	\$6.31	900	23	120	Single SiC MOSFET	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0120090J	Wolfspeed, A Cree Company	\$6.49	900	22	120	Single SiC MOSFET	TO-263-7
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0120090J-TR	Wolfspeed, A Cree Company	-	900	22	120	Single SiC MOSFET	TO-263-7
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0120100J	Wolfspeed, A Cree Company	\$7.57	1000	22	120	Single SiC MOSFET	TO-263-7
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0120100K	Wolfspeed, A Cree Company	\$7.57	1000	22	120	Single SiC MOSFET	TO-247-4
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0280090D	Wolfspeed, A Cree Company	\$3.40	900	11.5	280	Single SiC MOSFET	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0280090J	Wolfspeed, A Cree Company	\$3.58	900	11	280	Single SiC MOSFET	TO-263-7
<a href="#">Buy Now</a> <a href="#">pdf</a>	C3M0280090J-TR	Wolfspeed, A Cree Company	-	900	11	280	Single SiC MOSFET	TO-263-7
<a href="#">Buy Now</a> <a href="#">pdf</a>	CPM2-1200-0025B:EQ	Wolfspeed, A Cree Company	-	1200	98	25		Die

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	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Rds(on) (mΩ)	Configuration	Package Type
<a href="#">Buy Now</a>	CPM3-0900-0065B	Wolfspeed, A Cree Company	-	900	36	65		Die
<a href="#">Buy Now</a> <a href="#">pdf</a>	E3M0065090D	Wolfspeed, A Cree Company	\$11.29	900	35	65	Single SiC MOSFET	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	E3M0120090D	Wolfspeed, A Cree Company	\$7.26	900	23	120	Single SiC MOSFET	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	E3M0280090D	Wolfspeed, A Cree Company	\$3.91	900	11.5	280	Single SiC MOSFET	TO-247-3
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-F107BIB020FK-M285L	Vincotech	-	600	80	19	Booster Symmetric	flow1 17mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FY12B2A040MR-L387L68	Vincotech	\$96.33	1200	30	40	Booster	flow1 12mm
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-FY09S2A065ME-L869L08	Vincotech	\$122.90	900	50	65	Booster Symmetric	flow1 12mm
<a href="#">Buy Now</a>	10-FZ062TA099-P980	Vincotech	-	600	35	111	Single	Module
<a href="#">Buy Now</a>	10-FZ062TA099FH01-P980D18	Vincotech	-	600	35		Single	Module
<a href="#">Buy Now</a>	10-FZ062TA099FH02-P980D18	Vincotech	-	600	35		Single	Module
<a href="#">Buy Now</a>	10-FZ062TA099FH03-P980D18	Vincotech	-	600	35		Single	Module
<a href="#">Buy Now</a>	10-FZ062UA040FP02-P982D18	Vincotech	-	600	35		Single	Module

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##### Silicon Carbide MOSFETs

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Rds(on) (mΩ)	Configuration	Package Type
<a href="#">Buy Now</a>	10-FZ062UA040FP03-P982D18	Vincotech	-	600	35		Single	Module
<a href="#">Buy Now</a>	10-FZ09NBA065ME	Vincotech	-					
<a href="#">Buy Now</a>	10-FZ12NBA040MR	Vincotech	-					
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC015SMA070B	Microsemi	\$46.47	700	93	15	Single SiC MOSFET	TO-247
<a href="#">Buy Now</a>	MSC015SMA070S	Microsemi	\$48.92	700		15	Single	D3PAK
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC025SMA120B	Microsemi	\$55.49	1200	84	25	Single SiC MOSFET	TO-247
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC025SMA120J	Microsemi	\$82.63	1200	71	25	Single	SOT-227
<a href="#">Buy Now</a>	MSC025SMA120S	Microsemi	\$58.43	1200		25	Single	D3PAK
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC035SMA070B	Microsemi	\$20.33	700	54	35	Single SiC MOSFET	TO-247
<a href="#">Buy Now</a>	MSC035SMA070S	Microsemi	\$21.33	700	73	35		D3PAK
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC040SMA120B	Microsemi	\$31.12	1200	62	40	Single SiC MOSFET	TO-247
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC040SMA120J	Microsemi	\$55.41	1200	48	40	Single SiC MOSFET	SOT-227

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##### Silicon Carbide MOSFETs

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Rds(on) (mΩ)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC040SMA120S	Microsemi	\$32.71	1200	61	40	Single SiC MOSFET	D3PAK
<a href="#">Buy Now</a>	MSC045SMA170B	Microsemi	\$55.71	1700		45	Single	TO-247
<a href="#">Buy Now</a>	MSC045SMA170S	Microsemi	\$56.73	1700		45	Single	D3PAK
<a href="#">Buy Now</a>	MSC060SMA070B	Microsemi	\$13.90	700		60	Single	TO-247
<a href="#">Buy Now</a>	MSC060SMA070S	Microsemi	\$14.53	700		60	Single	D3PAK
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC080SMA120B	Microsemi	\$18.49	1200	30	80	Single SiC MOSFET	TO-247
<a href="#">Buy Now</a>	MSC080SMA120J	Microsemi	\$41.31	1200		80	Single	SOT-227
<a href="#">Buy Now</a>	MSC080SMA120S	Microsemi	\$19.39	1200		80	Single	D3PAK
<a href="#">Buy Now</a>	MSC090SMA070B	Microsemi	\$11.00	700		90	Single	TO-247
<a href="#">Buy Now</a>	MSC090SMA070S	Microsemi	\$11.47	700		90	Single	D3PAK
<a href="#">Buy Now</a>	MSC140SMA120B	Microsemi	\$12.57	1200		140	Single	TO-247
<a href="#">Buy Now</a>	MSC140SMA120S	Microsemi	\$13.12	1200		140	Single	D3PAK

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	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Rds(on) (mΩ)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	MSC280SMA120B	Microsemi	\$9.08	1200	9.4	280	Single SiC MOSFET	TO-247
<a href="#">Buy Now</a>	MSC280SMA120S	Microsemi	\$9.45	1200		280	Single	D3PAK
<a href="#">Buy Now</a>	MSC750SMA170B	Microsemi	-	1700		750		TO-247
<a href="#">Buy Now</a> <a href="#">pdf</a>	10-PC094PB035ME02-L629F36Y-/3/	Vincotech	-	900	38	35	Dual Half-Bridge	flow0 17mm
<a href="#">Buy Now</a>	PSF20L91A6-A	Powerex	-	600	20		PFC Module	Super Mini DIP
<a href="#">Buy Now</a>	10-PZ123BA053MM-M909L28Y	Vincotech	-					
<a href="#">Buy Now</a>	10-PZ126PA053MM-M909F28Y	Vincotech	-					
<a href="#">Buy Now</a> <a href="#">pdf</a>	QJD1210010	Powerex	-	1200	100	25	Split dual/SiC MOSFET/SiC diode	56x110
<a href="#">Buy Now</a> <a href="#">pdf</a>	QJD1210011	Powerex	-	1200	100	25	Split dual/SiC MOSFET/SiC diode	56x110
<a href="#">Buy Now</a>	QJD1210012	Powerex	-					
<a href="#">Buy Now</a> <a href="#">pdf</a>	QJD1210SA1	Powerex	-	1200	100	18	Split dual/SiC MOSFET/SiC diode	56x110
<a href="#">Buy Now</a> <a href="#">pdf</a>	SK25MH120SCTP	Semikron	-	1200	26	80	Single-phase Inverter	Semitop 2

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##### Silicon Carbide MOSFETs

	Mfr Part Number	Supplier	Price	Voltage (V)	Current (A)	Rds(on) (mΩ)	Configuration	Package Type
<a href="#">Buy Now</a> <a href="#">pdf</a>	SKM350MB120SCH17	Semikron	-	1200	523	5.6	Half Bridge	Semitrans 3
<a href="#">Buy Now</a> <a href="#">pdf</a>	SKM500MB120SC	Semikron	-	1200	541	3.75	Half Bridge	Semitrans 3

## Passive Devices

### Resistors

#### Film Resistors

##### Carbon Film Resistor

Mfr Part Number	Supplier	Price	Package Type	Resistance ( $\Omega$ )	Tolerance (%)	Power Rating (W)	Maximum Voltage Rating (V)
<a href="#">Buy Now</a> <a href="#">pdf</a> ON4705E-R65	Ohmite	-		47	$\pm 5$	2	500

## Power Supplies

### Converter Modules

#### DC to DC Converter Module

	Mfr Part Number	Supplier	Price	Minimum Input Voltage (V)	Maximum Input Voltage (V)	Output Voltage (VDC)	Output Power (W)	Isolation (kVDC)
<a href="#">Buy Now</a> <a href="#">pdf</a>	R05P22005D	RECOM Power, Inc.	\$6.44	5	5	20/-5	2	6.4
<a href="#">Buy Now</a> <a href="#">pdf</a>	R05P22005D/P	RECOM Power, Inc.	\$6.97	5	5	20/-5	2	6.4
<a href="#">Buy Now</a> <a href="#">pdf</a>	R12P22005D	RECOM Power, Inc.	\$6.44	12	12	20/-5	2	6.4
<a href="#">Buy Now</a> <a href="#">pdf</a>	R12P22005D/P	RECOM Power, Inc.	\$6.56	12	12	20/-5	2	6.4
<a href="#">Buy Now</a> <a href="#">pdf</a>	R15P22005D	RECOM Power, Inc.	\$6.92	15	15	20/-5	2	6.4
<a href="#">Buy Now</a> <a href="#">pdf</a>	R15P22005D/P	RECOM Power, Inc.	\$6.93	15	15	20/-5	2	6.4
<a href="#">Buy Now</a> <a href="#">pdf</a>	R24P22005D	RECOM Power, Inc.	\$6.81	24	24	20/-5	2	6.4
<a href="#">Buy Now</a> <a href="#">pdf</a>	R24P22005D/P	RECOM Power, Inc.	\$6.93	24	24	20/-5	2	6.4
<a href="#">Buy Now</a> <a href="#">pdf</a>	RKZ-052005D	RECOM Power, Inc.	\$5.06	5	5	20/-5	2	3
<a href="#">Buy Now</a> <a href="#">pdf</a>	RKZ-052005D/H	RECOM Power, Inc.	\$5.58	5	5	20/-5	2	4
<a href="#">Buy Now</a> <a href="#">pdf</a>	RKZ-052005D/HP	RECOM Power, Inc.	\$6.13	5	5	20/-5	2	4
<a href="#">Buy Now</a> <a href="#">pdf</a>	RKZ-052005D/P	RECOM Power, Inc.	\$5.58	5	5	20/-5	2	3



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### Converter Modules

#### DC to DC Converter Module

	Mfr Part Number	Supplier	Price	Minimum Input Voltage (V)	Maximum Input Voltage (V)	Output Voltage (VDC)	Output Power (W)	Isolation (kVDC)
<a href="#">Buy Now</a> <a href="#">pdf</a>	RKZ-122005D	RECOM Power, Inc.	\$5.06	12	12	20/-5	2	3
<a href="#">Buy Now</a> <a href="#">pdf</a>	RKZ-122005D/H	RECOM Power, Inc.	\$5.58	12	12	20/-5	2	4
<a href="#">Buy Now</a> <a href="#">pdf</a>	RKZ-122005D/HP	RECOM Power, Inc.	\$6.52	12	12	20/-5	2	4
<a href="#">Buy Now</a> <a href="#">pdf</a>	RKZ-122005D/P	RECOM Power, Inc.	\$5.58	12	12	20/-5	2	3
<a href="#">Buy Now</a> <a href="#">pdf</a>	RKZ-152005D	RECOM Power, Inc.	\$5.34	15	15	20/-5	2	3
<a href="#">Buy Now</a> <a href="#">pdf</a>	RKZ-152005D/H	RECOM Power, Inc.	\$5.87	15	15	20/-5	2	4
<a href="#">Buy Now</a> <a href="#">pdf</a>	RKZ-152005D/HP	RECOM Power, Inc.	\$6.49	15	15	20/-5	2	4
<a href="#">Buy Now</a> <a href="#">pdf</a>	RKZ-152005D/P	RECOM Power, Inc.	\$5.87	15	15	20/-5	2	3
<a href="#">Buy Now</a> <a href="#">pdf</a>	RKZ-242005D	RECOM Power, Inc.	\$5.34	24	24	20/-5	2	3
<a href="#">Buy Now</a> <a href="#">pdf</a>	RKZ-242005D/H	RECOM Power, Inc.	\$5.87	24	24	20/-5	2	4
<a href="#">Buy Now</a> <a href="#">pdf</a>	RKZ-242005D/HP	RECOM Power, Inc.	\$6.49	24	24	20/-5	2	4
<a href="#">Buy Now</a> <a href="#">pdf</a>	RKZ-242005D/P	RECOM Power, Inc.	\$5.87	24	24	20/-5	2	3

