

Single Si / SiGe Tr Line-up

Period :2009.10.01 to 2010.03.31
ISSUED:2009.10.01

Process	f _T (GHz)	I _c (mA)	V _{ce} (V)	E S D	3Pin Po-MM (SOT-89) 34	3Pin MM (SOT-23) 33	3Pin SMM (SOT-323) 30	3Pin USMM (1608) 19	3Pin L2MM (1005) M13	4Pin Po-MM (SOT-89) M02	4Pin MM (SOT-143) 39	4Pin SMM (SOT-343) 18	4Pin TSMM M04	4Pin TSMM M05	4PIN L2MM (1208) M14	6Pin SMM (SOT-363) M01	6Pin L2MM (1208) M16
Mold Size					4.5×2.5	2.9×1.5	2.0×1.25	1.6×0.8	1.0×0.5	4.5×2.45	2.9×1.5	2.0×1.25	2.0×1.25	2.0×1.25	1.2×0.8	2.0×1.25	1.2×0.8
Package Size					4.5×4.0	2.9×2.8	2.0×2.1	1.6×1.6	1.0×0.7	4.5×3.95	2.9×2.8	2.0×2.1	2.0×2.05	2.0×2.05	1.2×1.0	2.0×2.1	1.2×1.0
Height					1.5	1.3	0.9	0.75	0.5	1.5	1.3	0.9	0.59	0.59	0.5	0.9	0.5
Si	5.5	50	12			2SA1978											
	8.5	50	12			2SA1977											
	5.0	60	12				2SC4571	2SC5004									
	5.3	250	15			2SC4536				2SC5337							
	5.5	30	12				2SC4570	2SC5005									
	6.0	150	12			2SC4703				2SC5338							
	7.0	100	12			2SC3357	2SC3356	2SC4226	2SC5006		2SC4093	2SC5011					
	9.0	65	10				2SC3583	2SC4227	2SC5007		2SC4094	2SC5012					
	10.0	35	10				2SC3585	2SC4228	2SC5008		2SC4095	2SC5013					
	100	5.5	5							2SC5801							
	12.0	30	6						2SC5010		2SC4957	2SC5015					
	14.0	30	6								2SC5455	2SC5752	2SC5753				2SC5369
	14.5	50	6								2SC5454	2SC5750	2SC5751				
	15.5	10	3						2SC5181			2SC5180					
	16.0	30	3						2SC5186			2SC5185					
	18.0	150	6								2SC5288						
	20.0	300	6								2SC5289						
	20.0	35	3						2SC5787								
	25.0	12	3.3											2SC5507	NE661M05		
		35	3.3						2SC5606					2SC5508			
	100	3.3											2SC5509				
	500	5											2SC5754				
SiGe	100	5						NESG210719									
	10	400	5.5	*	NESG240034	NESG240033											
		500	9.2		NESG250134												
	12	200	5.5	*	NESG220034	NESG220033											
	14.0	600	9.2		NESG260234												
	15.0	750	9.2		NESG270034												
	15.5	100	5.5	*		NESG210833											
	18.0	40	5					NESG204619									
			4.3											NESG3031M05	NESG3031M14		
			4.3												NESG3032M14		
			4.3	*											NESG3033M14		
			5											NESG2021M05			NESG2021M16
			5											NESG2031M05			NESG2031M16
	100	5											NESG2101M05			NESG2101M16	
36.0	35	2.3										2SC5761					
SiGe:C	27.0	35	3	*											NESG4030M14		

Twin Tr Family

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ISSUED : 2009.10.01

Homogenous CHIP's						Heterogeneous CHIP's		
for Pager		for VCO		for Mobile Comms.		for VCO		
Part No.	Built-in Transistor (x2)	Part No.	Built-in Transistor (x2)	Part No.	Built-in Transistor (x2)	Part No.	Built-in Transistors	
							Q1	Q2
UPA800T	2SC5434	UPA811T	2SC5434			UPA831TD	2SC5614	2SC5615
UPA801T	2SC5432	UPA810T	2SC5432					
UPA802T	2SC5433	UPA812T	2SC5433					
		UPA813T	2SC5005					
UPA804T	2SC5431							
UPA806T	2SC5435					UPA860TD	2SC5435	2SC5786
UPA807T	2SC5181					UPA861TD	2SC5436	2SC5786
UPA808T	2SC5436			UPA828TD	2SC5436	UPA862TD	2SC5435	2SC5800
						UPA863TD	2SC5436	2SC5800
UPA873TD	2SC5800			UPA895TD	2SC5800	UPA869TD	NESG2046	2SC5800

PACKAGE Dimensions
 T-TYPE:2.0×1.25×0.9(mm)
 TD-TYPE:1.2×0.8×0.5(mm)

NEC NEC Electronics Corporation

Discrete and IC Operations Unit, Compound Semiconductor Devices Division