DETECTOR
SMA, up to 4 GHz, Zero Bias Schottky Diode

SPECIFICATIONS:
Models: 4802S, 4804S

RoHS Compliant

**Electrical:**
- Frequency Range: 0.01 - 4 GHz
- Standard Freq. Values: 2 & 4 GHz
- VSWR (@ -20dBm):
  - 4802S: 1.20:1 Typ., 1.35:1 Max.
  - 4804S: 1.30:1 Typ., 1.40:1 Max.
- Voltage Sensitivity (@ -20dBm): 500mV/mW Typ.
- Flatness (@ -20dBm):
  - 4802S: ±0.2dB Max.
  - 4804S: ±0.2dB Typ., ±0.3dB Max.
- Input Power: 200mW CW Max.
- Video Capacitance: 20 - 30 pF Nom.
- Impedance: 50 Ohms
- Operating Temp Range: -55°C to +125°C

**Mechanical:**
- SMA Connectors: Passivated Stainless Steel
  - Mates with MIL-STD-348
- Conductors: Gold Plated Beryllium Copper

NOTE: Negative Output is Standard

**HOW TO ORDER:**
Model Number: 48XXS
- Freq. Range:
  - 02 = 0.01 - 2 GHz
  - 04 = 0.01 - 4 GHz

Ordering Examples:
Model Number: 4802S
- 0.01 - 2 GHz; SMA - Male/Fem

Model Number: 4804S
- 0.01 - 4 GHz; SMA - Male/Fem

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.
Design specifications are subject to change without notice.
Contact factory for technical specifications before purchasing or use.