

DETECTOR

SMA, up to 12.4 GHz, Zero Bias Schottky Diode

SPECIFICATIONS:

Models: 4802S, 4804S, 4808S, 4812S

RoHS
Compliant



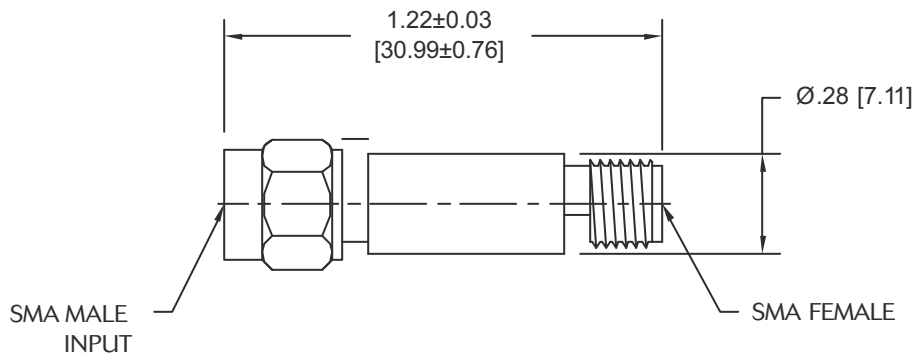
Electrical:

Frequency Range _____ 0.01 - 12.4 GHz
 Standard Freq. Values _____ 2, 4, 8 & 12.4 GHz
 VSWR (@ -20dBm)
 4802S _____ 1.20:1 Typ., 1.35:1 Max.
 4804S _____ 1.30:1 Typ., 1.40:1 Max.
 4808S _____ 1.45:1 Typ., 1.65:1 Max.
 4812S _____ 1.55:1 Typ., 1.80:1 Max.
 Voltage Sensitivity (@ -20dBm) _____ 500mV/mW Typ.
 Flatness (@ -20dBm)
 4802S _____ ±0.2dB Max.
 4804S _____ ±0.2dB Typ., ±0.3dB Max.
 4808S _____ ±0.3dB Typ., ±0.4dB Max.
 4812S _____ ±0.3dB Typ., ±0.4dB 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 MILSTD-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
 08 = 0.01 - 8 GHz
 12 = 0.01 - 12.4 GHz

Ordering Examples:

Model Number: **4812S**
 0.01 - 12.4 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.

4812: REV B



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