

DETECTOR

SMA, up to 4 GHz, Zero Bias Schottky Diode

SPECIFICATIONS:

Models: 4802S, 4804S

RoHS
Compliant

AEROFLEX
A passion for performance.

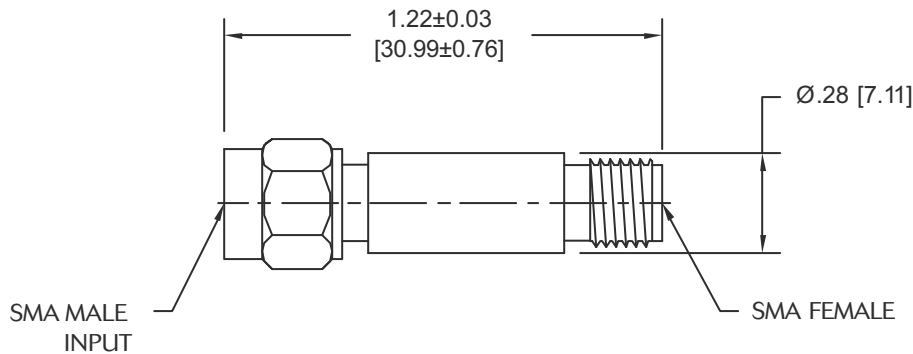
Electrical:

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.

4812: REV C

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