

BIAS TEES

2.9mm

UP TO 40 GHz
16 VOLTS / 150mA



MODELS: 8812KMFX-YY, 8812KFFX-YY, 8812KMMX-YY, 8812KFMX-YY

SPECIFICATIONS:

Electrical:

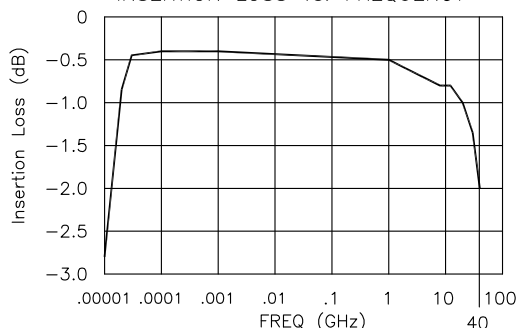
Frequency Range _____ 12 kHz – 40 GHz
Standard Freq. Values _____ 26.5 & 40 GHz
VSWR
12 – 100 kHz _____ 2.50:1 Max.
100 kHz – 40 GHz _____ 1.80:1 Max.
Insertion Loss
12 – 50 kHz _____ 3.0dB Max.
50 kHz – 18 GHz _____ 1.5dB Max.
18 – 40 GHz _____ 3.0dB Max.
Impedance _____ 50 Ohms
Isolation (RF to Bias Port)
250 kHz – 26.5 GHz _____ 50dB Typical
100 kHz – 40 GHz _____ 30dB Typ.
DC Voltage _____ 16 VDC Max.
DC Current _____ 150 mA Max.
Rise Time (10–90%) _____ < 9 pS Typical

Mechanical:

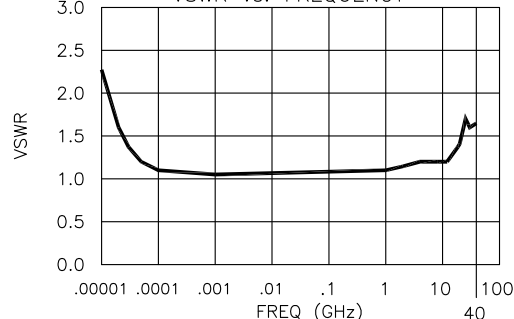
2.9mm Connectors _____ Passivated Stainless Steel
(Mates with SMA, 3.5mm and K* Connectors
as well as SMK IAW MIL-STD-348)
BNC Connectors _____ Nickel Plated Brass
(Mates with MIL-STD-348)
Conductors _____ Gold Plated Beryllium Copper
Housing _____ Gold Plated Brass
SMA Connectors _____ Passivated Stainless Steel
(Mates with MIL-STD-348)

Typical performance from 12 kHz – 40 GHz

INSERTION LOSS vs. FREQUENCY



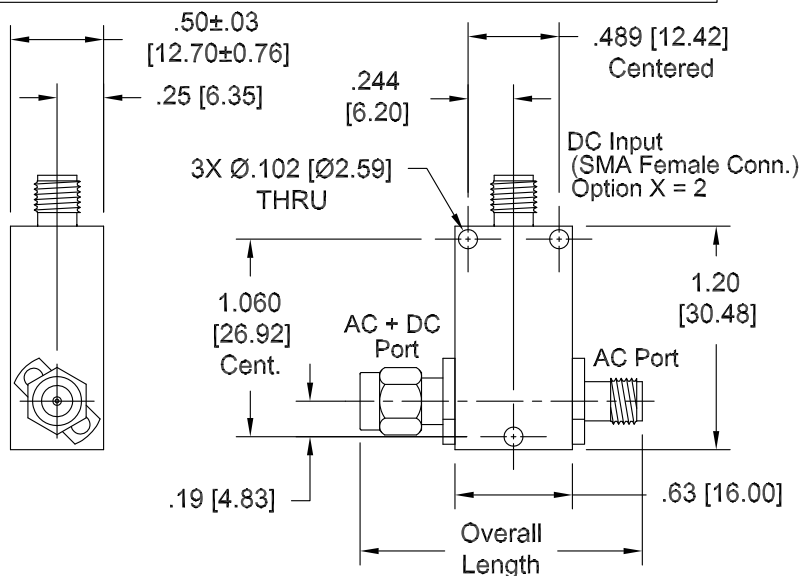
VSWR vs. FREQUENCY



*K is a trademark of Anritsu Corp.

DC Input Connector Options	
Solder Post, X=1	BNC Female, X=3

Model Numbers	Connector Configuration Port		Overall Length Max.
	AC + DC	AC	
8812KMFX-YY	Male	Female	1.63 [41.40]
8812KFFX-YY	Female	Female	1.60 [40.64]
8812KMMX-YY	Male	Male	1.75 [44.45]
8812KFMX-YY	Female	Male	1.63 [41.40]



HOW TO ORDER:

Model Number: **8812KZZX-YY**

Base Number

Freq. Range

DC Connector Type

26 = 12 kHz – 26.5 GHz
40 = 12 kHz – 40 GHz

1 = Solder Post

2 = SMA Female Conn.

3 = BNC Female Conn.

Ordering Examples:

Model Number: **8812KFF2-26**

12 kHz – 26.5 GHz, 2.9mm Fem/Fem
SMA Female DC Connector Type

Model Number: **8812KMF1-40**

12 kHz – 40 GHz, 2.9mm Male/Fem
Solder Post DC Connector Type

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.

8812K; REV E

300 Dino Drive • Ann Arbor, MI 48103-9457 U.S.A. • 888-244-6638 or 734-426-5553 • FAX 734-426-5557 • inmet.apitech.com