

BIAS TEES

2.9mm, up to 40 GHz, 16 Volts / 150 mA

SPECIFICATIONS:

Models: 8812KMFX-yy, 8812KFFX-yy,
8812KMMX-yy, 8812KFMX-yy

RoHS
Compliant

AEROFLEX
A passion for performance.

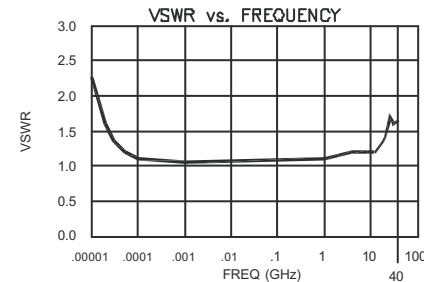
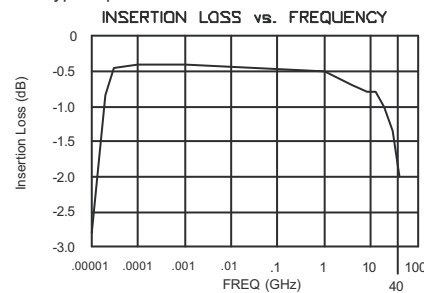
Electrical:

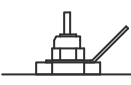
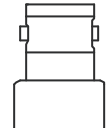
Frequency Range _____ 12 kHz - 40 GHz
Standard Freq. Values _____ 26.5 & 40 GHz
VSWR
12 - 100 kHz _____ 2.50:1 Max.
100 kHz - 40 GHz _____ 1.80:1 Max.
Insertion Loss
12 - 50 kHz _____ 3.0dB Max.
50 kHz - 18 GHz _____ 1.5dB Max.
18 - 40 GHz _____ 3.0dB Max.
Impedance _____ 50 Ohms
Isolation (RF to Bias 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:

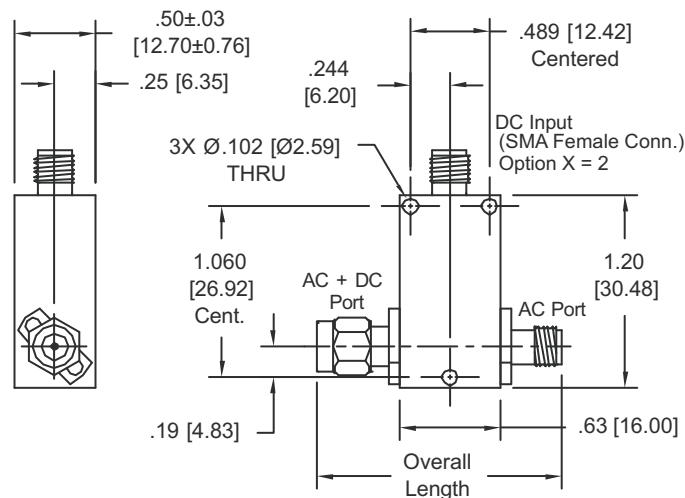
2.9mm Connectors _____ Passivated Stainless Steel
Mates with SMA, 23.5mm and K* Series Connectors
as well as SMK IAW MIL-STD-348
BNC Connectors _____ Nickel Plated Brass
Mates with MIL-STD-348
Conductors _____ Gold Plated Beryllium Copper
Housing _____ Gold Plated Brass
SMA Connectors _____ Passivated Stainless Steel
Mates with MIL-STD-348
* K is a Trademark of Anritsu Corp.

Typical performance from 12 kHz - 40 GHz



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
1 = Solder Post 40 = 12 kHz - 40 GHz
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

AEROFLEX
INMET

Aeroflex / Inmet, Inc. • 300 Dino Drive, Ann Arbor, MI 48103 • U.S.A.
888-244-6638 or 734-426-5553 • FAX: 734-426-5557
www.aeroflex.com/inmet • inmet@aeroflex.com