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:

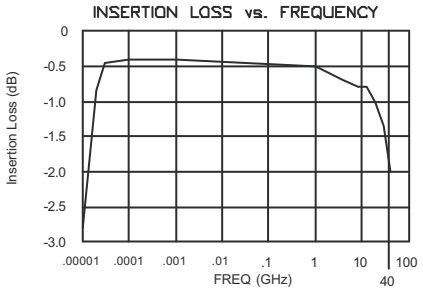
Frequency Range	12 kHz - 40 GHz
Standard Freq. Values	26.5 & 40 GHz
VSWR	
12 - 100 kHz	2.50:1 Max.
100 kHz - 40 GHz	1.80:1 Max.
Insertion Loss	
12 - 50 kHz	3.0dB Max.
50 kHz - 18 GHz	1.5dB Max.
18 - 40 GHz	3.0dB Max.
Impedance	50 Ohms
Isolation (RF to Bias Port)	
250 kHz - 26.5 GHz	50dB Typical
100 kHz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

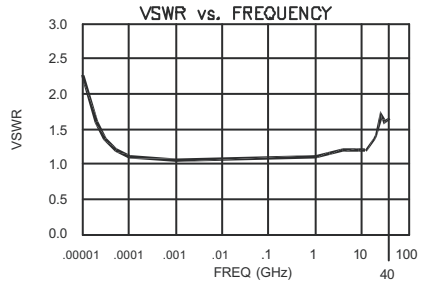
Mechanical:

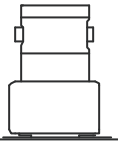
2.9mm Connectors Mates with SMA, 23.5mm and K* Series Connectors as well as SMK IAW MIL-STD-348	Passivated Stainless Steel
BNC Connectors Mates with MIL-STD-348	Nickel Plated Brass
Conductors	Gold Plated Beryllium Copper
Housing	Gold Plated Brass
SMA Connectors Mates with MIL-STD-348	Passivated Stainless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

* K is a Trademark of Anritsu Corp.

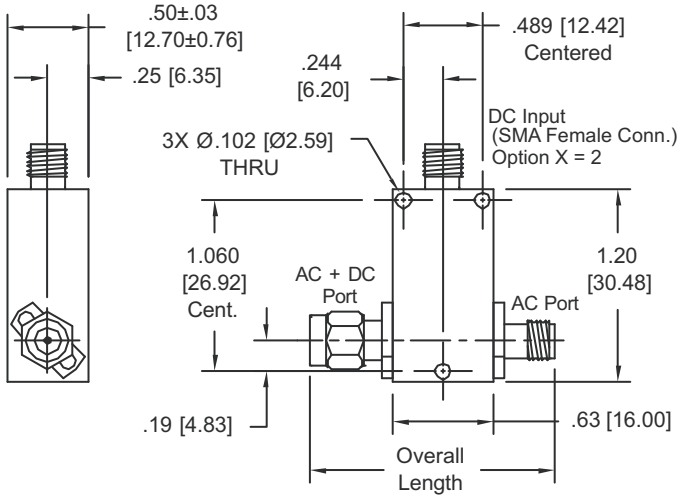
Typical performance from 12 kHz - 40 GHz





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
- DC Connector Type
  - 1 = Solder Post
  - 2 = SMA Female Conn.
  - 3 = BNC Female Conn.
- Freq. Range
  - 26 = 12 kHz - 26.5 GHz
  - 40 = 12 kHz - 40 GHz

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

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