BIAS TEES
2.4mm

50 kHz - 50 GHz
25 VOLTS / 150 mA

api technologies corp. > INMET

MODELS: 8810EMFX–50, 8810EFFX–50, 8810EMMX–50, 8810EFMX–50

SPECIFICATIONS:

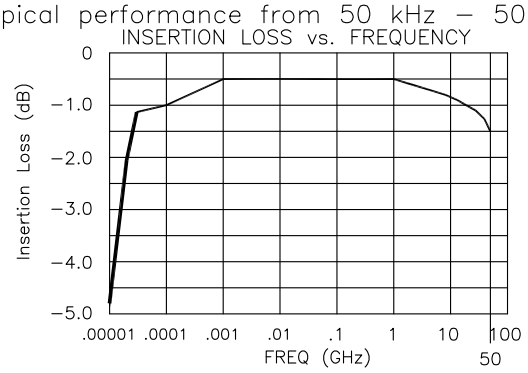
Electrical:

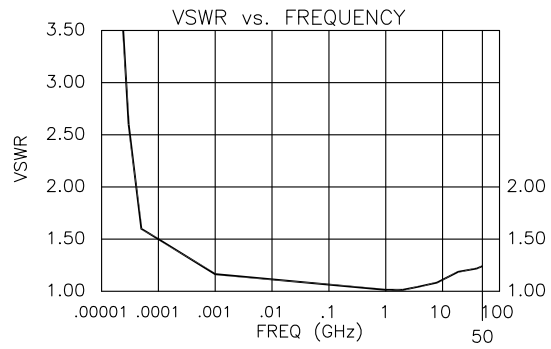
Frequency Range	50 kHz – 50 GHz
VSWR:	1.80:1 Max.
Insertion Loss:	
100 kHz	0.5dB Typical
50 kHz – 18 GHz	1.5dB Max.
18 – 40 GHz	3.0dB Max.
40 – 50 GHz	3.0dB Typ.; 4.0dB Max.
Impedance	50 ohms
Isolation (RF to Bias Port):	
250 kHz – 26 GHz	50dB Typical
100 kHz – 50 GHz	30dB Typ.
DC Voltage	25 VDC Max.
DC Current	150 mA Max.
Rise Time (10% – 90%)	< 9 pS Typical

Mechanical:

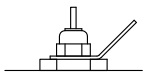
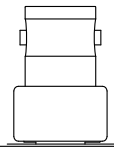
2.4mm Connectors (Mates with 1.85mm & V* Connectors	Passivated Stainless Steel
Conductors	Gold Plated Beryllium Copper
Housing	Aluminum with Chemical Conv. Coating or Gold Plated Brass
SMA Connectors (Mates with MIL–STD–348	Passivated Stainless Steel
BNC Connectors (Mates with MIL–STD–348	Nickel Plated Brass

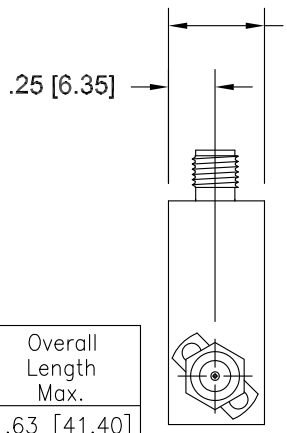
Typical performance from 50 kHz – 50 GHz

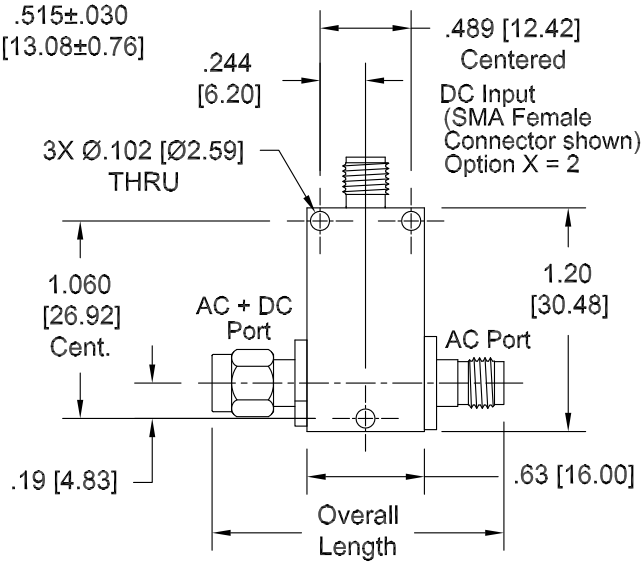




*V is a trademark of Anritsu Corp.

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





Model Numbers	Connector Configuration Port		Overall Length Max.
	AC + DC	AC	
8810EMFX–YY	Male	Female	1.63 [41.40]
8810EFFX–YY	Female	Female	1.60 [40.64]
8810EMMX–YY	Male	Male	1.75 [44.45]
8810EFMX–YY	Female	Male	1.63 [41.40]

HOW TO ORDER:

Model Number: 8810EYYX-50

- Base Number
- DC Connector Type
  - 1 = Solder Post
  - 2 = SMA Female Conn.
  - 3 = BNC Female Conn.

Ordering Examples:

Model Number: 8810EFF2-50
50 KHz – 50 GHz, 2.4mm Fem/Fem
SMA Female DC Connector Type

Model Number: 8810EMF1-50
50 KHz – 50 GHz, 2.4mm 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.

8810E ; REV P

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