BIAS TEES
2.4mm, 50 kHz - 50 GHz, 25 Volts / 150 mA

RoHS Compliant

AEROFLEX
A passion for performance.

SPECIFICATIONS:

Models: 8810EMFX-50, 8810EFFX-50, 8810EMMX-50, 8810EFMX-50

Electrical:

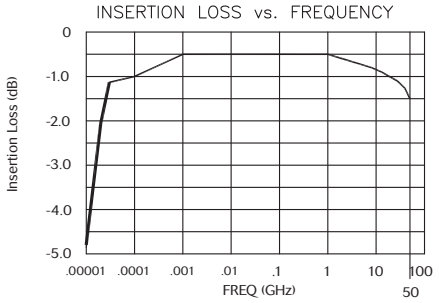
Frequency Range	50 kHz - 50 GHz
VSWR:	1.80:1 Max.
Insertion Loss:	
100 kHz	0.5dB Typical
50 kHz - 18 GHz	1.5dB Max.
18 - 40 GHz	3.0dB Max.
40 - 50 GHz	3.0dB Typ.; 4.0dB Max.
Impedance	50 Ohms
Isolation (RF to Bias Port):	
250 kHz - 26 GHz	50dB Typical
100 kHz - 50 GHz	30dB Typ.
DC Voltage	25 VDC Max.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

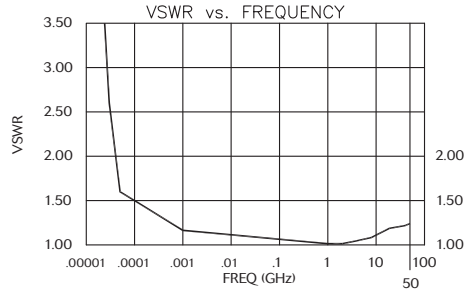
Mechanical:

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

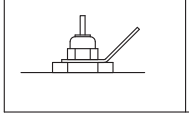
*V is a trademark of Anritsu Corp.

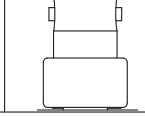
Typical performance from 50 kHz - 50 GHz

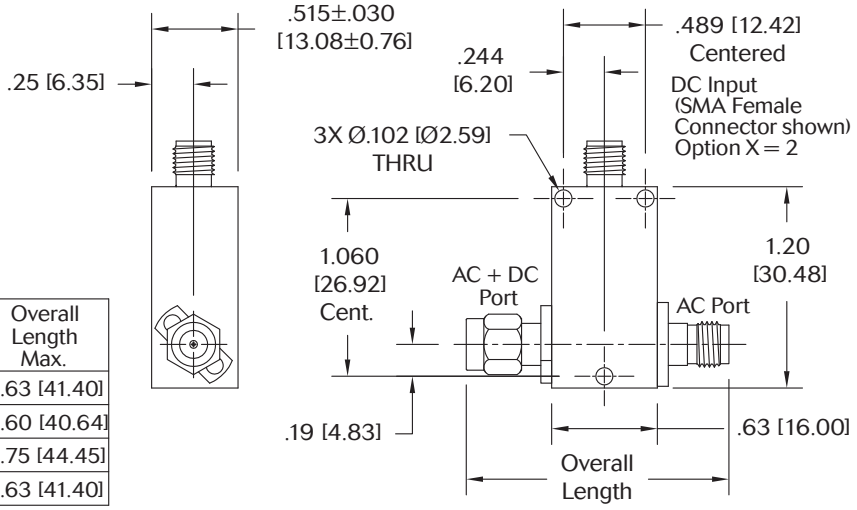




DC Input Connector Options	
Solder Post, X=1	BNC Female, X=3







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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