BIAS TEES
7/16 - DIN
UP TO 7.5 GHz
100 VOLTS / 2.5 AMPS

MODELS: 8800DMFX-YY, 8800DFFX-YY, 8800DMMX-YY, 8800DFMX-YY

SPECIFICATIONS:

**Electrical:**

- Frequency Range: 10 MHz - 7.5 GHz
- Standard Freq. Values: 2.5, 4, 6 & 7.5 GHz
- Insertion Loss: Typical 1.00 dB, Maximum 1.25 dB
- VSWR: Typical 1.5:1, Maximum 1.5:1

**Environmental:**

- Operating Temperature Range: -55°C to +105°C
- Storage Temperature Range: -60°C to +90°C

**Mechanical:**

- 7/16 DIN Connectors: Silver or White Bronze
- SMA Connectors: Passivated Stainless Steel
- BNC Connectors: Nickel Plated Brass
- Conductors: Silver, Gold or White Bronze
- Body: Aluminum with Chemical Conversion Coating

**DC Input Connector**

- Model Numbers: 8800DMFX-02, 8800DFFX-02, 8800DMMX-02, 8800DFMX-02
- Connector Configuration Port: AC + DC, AC

**3X Ø.12 [03.05] THRU**

- DC Input (SMA Fem. Conn.) Option, X = 2
- AC + DC Port
- AC Port

**Ordering Examples:**

- Model Number: 8800DZZX-YY
- Model Number: 8800DFF2-02
  - 10 MHz - 2.5 GHz, DIN 7/16 Fem/Fem
  - SMA Female DC Connector Type

Design specifications are subject to change without notice.

Contact factory for technical specifications before purchasing or use.

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Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.
**ISOLATION vs. FREQUENCY**

- Frequency (GHz) on the x-axis.
- Isolation (dB) on the y-axis.
- Data points show a decrease in isolation with increasing frequency.

**INSERTION LOSS vs. AMBIENT TEMPERATURE**

- Temperature (ºC) on the x-axis.
- Insertion Loss (dB) on the y-axis.
- Three different lines represent different ambient temperatures: -35ºC, +85ºC, and +105ºC.

**INSERTION LOSS UNDER CURRENT LOAD**

- Frequency (GHz) on the x-axis.
- Insertion Loss (dB) on the y-axis.
- Two lines represent different currents: I = 0 A and I = 2.5 A.

**MAXIMUM CURRENT vs. AMBIENT TEMPERATURE**

- Temperature (ºC) on the x-axis.
- Maximum Current (A) on the y-axis.
- The curve shows a decrease in maximum current with increasing temperature.

**NOTE:** Dimensions in brackets are expressed in millimeters and are for reference only.