



TECHNICAL SPECIFICATIONS

FTP-17A

BIAS TAP
SHORT CIRCUIT PROTECTION



DESCRIPTION

The FTP-17A Bias Tap is used to provide a DC path to one side of a 50 Ohm transmission line. An integral blocking capacitor isolates the DC from the other side of the line. This device is optimized to provide bias for a UHF SATCOM Low Noise Amplifier.

PROTECTION OPERATION

A short circuit in the DC/RF path (Type N-Female connector) will cause the LED to illuminate and, after 15 to 20 seconds, the internal resistance will increase from less than 5 Ohms to greater than 280 Ohms.

Insertion Loss,	BIAS ON	0.25 dB maximum, 240-320 MHz
	BIAS OFF	1.0 dB maximum, 30-400 MHz
VSWR	BIAS ON	1.3:1 maximum, 240-320 MHz
	BIAS OFF	1.5:1 maximum, 30-400 MHz
RF Power		200 W CW maximum
DC Voltage		200 Volts maximum
DC Resistance		5 Ohms nominal @ 100 mA.
Sustained Operating Current		100 mA minimum
Overload Current		6 A maximum, drops to less than 100mA.

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