



Model: BT-1010-LS

Description:.....	Bias Tee
Operating Frequency:.....	10 – 1000 MHz
Insertion Loss:	0.5 dB Max
Isolation DC to RF:	45dB Min
VSWR:.....	1.3:1 Max
Bias Voltage:.....	100 Volts Max
Bias Current:.....	500 mA
.....	0.01dB Compression....
.....	0.10 dB Compression...
Bias Frequency Bandwidth.....	DC-100 KHz
Power Handling:	50W CW/AVG
Bias DC Resistance:.....	0.4 Ohm
RF Connector:	SMA (female)
RF+DC Connector:.....	SMA (female)
Bias Connector:.....	Solder Pin
Impedance:.....	50 Ohms Nominal
Quality:.....	Best-Commercial-Grade

Environmental Ratings:

Temperature:.....	{Operating: -55°C to +95°C} & {Storage: -60°C to +110°C}
Humidity:	MIL-STD-202F, Method 103B, Cond. B (96 hours at 95% R.H.)
Shock:	MIL-STD-202F, Method 213B, Cond. B (75G, 6mSec)
Vibration:.....	MIL-STD-202F, Method 204D, Cond. B (.06" double amplitude, or 15G)
Altitude:	MIL-STD-202F, Method 105C, Cond. B (50,000 Feet)
Temp. Shock:.....	MIL-STD-202F, Method 107D, Cond. A (5 cycles)

Available Options:

(Units with listed options here may be subject to some specification tradeoffs from the standard, consult factory)

■ **RF & RF+DC Connectors**

- B1 [RF port with SMA(M) connector]
- B2 [RF+DC port with SMA(M) connector]
- B3 [RF & RF+DC ports with SMA(M) connector]

■ **Bias Connector**

- C1 [Bias with 50Ω SMC(Jack/Male)]
- C2 [Bias with 50Ω SMB(Jack/Male)]

Outline

