



Model: BT-S000-HS

Description:.....	Bias Tee
Operating Frequency:.....	2 – 18 GHz
Insertion Loss:	0.7 dB Max
VSWR:	1.50:1 Max
Isolation DC to RF:	40 dB Min
Bias Frequency Bandwidth (3dB BW):	DC-20 MHz
RF Power:.....	10W Max
Bias Voltage:.....	50 Volts Max
Bias Current:.....	500 mA Max
Bias DC Resistance:.....	0.5 Ohms
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] <> IL=0.8dB; VSWR=1.6:1<> Model: **BT-S0B1-HS**
- B2** [RF+DC port with SMA(M) connector] <> IL=0.8dB; VSWR=1.6:1 <> Model: **BT-S0B2-HS**
- B3** [RF & RF+DC ports with SMA(M) connector] <> IL=0.9dB; VSWR=1.65:1 <> Model: **BT-S0B3-HS**

Outline

