



Model: BT-5030-MS

Description:	Bias Tee
Operating Frequency:	30 -5000 MHz
Insertion Loss:	0.4 dB Max
Isolation ("Bias port" to "RF path"):	35dB Min; {25dB over 30-50 MHz}
VSWR:	1.2:1 Max
RF Power:	10W CW/AVG Max
Bias Voltage:	50 Volts Max
Bias Current:	300 mA Max, (0.1dB Compression)
Bias DC Resistance:	1.5 Ohms
Bias Frequency Bandwidth (2dB Corner Band):	DC-5MHz
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] <> Model: BT-5030-MS-B1
- B2** [RF+DC port with SMA(M) connector] <> Model: BT-5030-MS-B2
- B3** [RF & RF+DC ports with SMA(M) connector] <> Model: BT-5030-MS-B3

Outline

