



Model: BD-6375-MS

Description:	Bias-T Diplexer
High Passband Frequency (<u>RF</u> to <u>RF+DC</u>):	500 -6500 MHz
High Passband Corner 2dB Corner Frequency (<u>RF</u> to <u>RF+DC</u>):	375 MHz
Low Passband Frequency (<u>DC</u> to <u>RF+DC</u>):	DC-60 MHz
Low Passband 2dB Corner Frequency (<u>DC</u> to <u>RF+DC</u>):	75MHz
Insertion Loss:	High Passband 1.2 dB Max over 500-6500 MHz
	Low Passband..... 1.2 dB Max over DC-60 MHz
Isolation (<u>DC</u> port to <u>RF</u> port):	30dB Min
VSWR:	<u>RF</u> & <u>RF+DC</u> ports 1.45:1 Max over High Passband
	<u>DC</u> & <u>RF+DC</u> ports 1.8:1 Max over Low Passband
RF Power:	10W CW/AVG Max
Bias Voltage:	50 Volts Max
Bias Current:	300 mA Max
Bias DC Resistance:	1.0 Ohm
<u>RF</u> Connector:	SMA (female)
<u>RF+DC</u> Connector:	SMA (female)
<u>DC</u> 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)

Outline

