

Key Features

- Wide band, 10 MHz ~ 3.0 GHz
- Low insertion loss, 0.30 dB typ.
- 1.22:1 VSWR
- 3000 mA DC current handling
- 30 W CW power handling
- Precision machined housing
- RoHS compliant

Applications

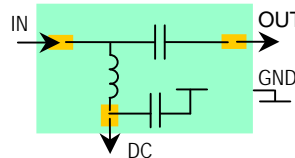
- Up to 3.0 GHz Band
- Satellite communications
- Broadcast
- RF bench test
- Mobile base station applications



Absolute Maximum Ratings

Input Power, CW	30 W
DC Current	3000 mA
DC Voltage	50 V
Storage Temperature	-40°C to +85°C

Functional Block Diagram



Ordering Information

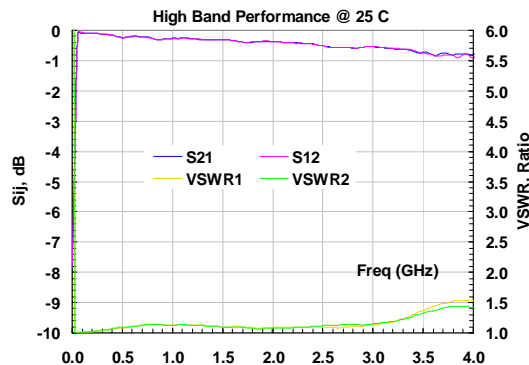
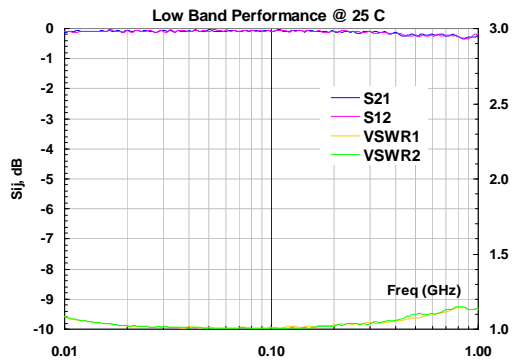
Model	WBT0030N
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Note: Heat sink is required for high power applications!!!

Specifications (Tested at +25°C)

Item	Symbol	Test Constraints	Min	Typ	Max	Unit
Frequency Range	BW	50 Ohm Impedance	0.01		3.0	GHz
Insertion Loss	S ₂₁	0.01 – 3.0 GHz		0.3	1.0	dB
VSWR	SWR _i	0.01 – 3.0 GHz		1.22:1	1.5:1	Ratio
Isolation, RF to DC port		0.01 – 3.0 GHz		45		dB
Maximum Power Handling	P _{MAX}	0.01 – 3.0 GHz, CW			30	W
Maximum DC Voltage	V _{DCMAX}				50	V
Maximum DC Current	I _{DCMAX}				3000	mA
Operating Temp	T _o		-40		+85	°C

Typical Performance



Outline

