

FEATURES:

- 950 MHz ~ 2150 MHz;
- 0.5 dB Insertion Loss;
- 6.0 Amp DC Current;
- 200 Watts RF CW Power;
- 50 Volt DC Rating;
- RoHS Compliant.

APPLICATIONS:

- Cellular;
- GPS;
- PCS, 3G.



LBST09502150B, 950 MHz ~ 2150 MHz WIDE BAND 6.0 AMP BIAS-T

ELECTRICAL SPECIFICATIONS @ 21 °C

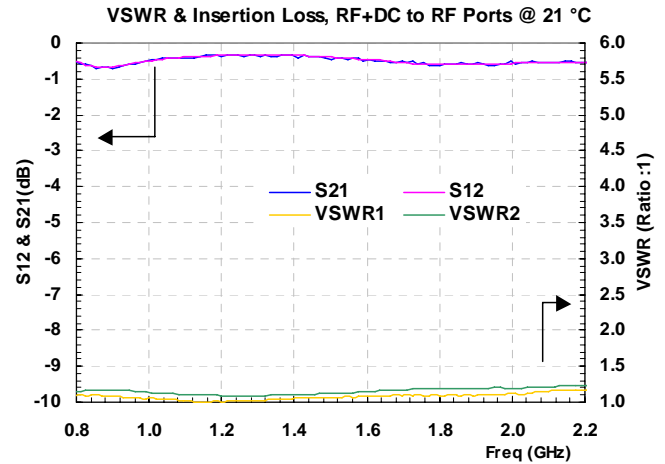
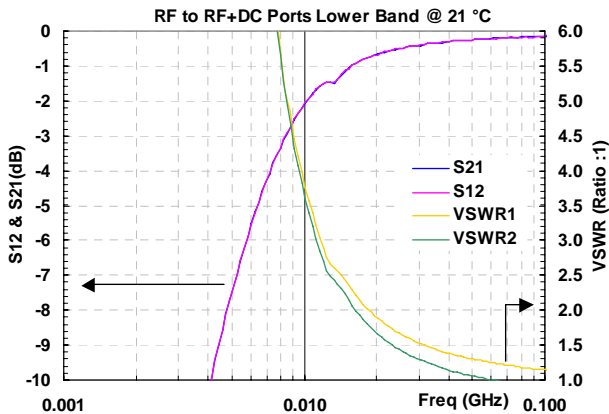
Symbol	Parameters/Conditions	Unit	Min	Typical	Max
f	Passband	MHz	950		2150
IL _L	Insertion Loss @ 10 MHz	dB		2.1	3.0
VSWR _L	Return VSWR @ 10 MHz	Ratio			5:1
IL _H	Insertion Loss: 950 to 2150MHz, Ports: 'RF+DC' to 'RF'	dB		0.5	1.0
VSWR _H	Return VSWR: 950 to 2150MHz, Ports: 'RF+DC' to 'RF'	Ratio		1.22:1	1.5:1
I _{dd}	DC Current Handling	A			6.0
V _{dd}	DC Voltage Handling	V			50
P _o	RF CW Power Handling	W			200
S ₁₂	Reverse Isolation: 950M to 2150MHz, Ports: 'RF+DC' to 'DC', 'RF' to 'DC'	dB	40		

ABSOLUTE MAXIMUM RATINGS¹

Parameters/Conditions	Unit	Maximum
Channel Temperature	°C	+150
CW RF Power	W	200
DC Current	A	6.0
DC Supply Voltage	V	50
Operating Temperature	°C	-40 ~ +85
Storage Temperature	°C	-65 ~ +125

[1] Operation beyond these limits may cause permanent damage.

ELECTRICAL PERFORMANCE/MECHANICAL OUTLINE



Unit: INCH Base Material: Aluminum Alloy 6061
 [mm] Finish: RoHS Compliant Conductive Plating
 Tolerance: X.XX ±0.01"
 X.XXX ±0.005"

ORDERING INFORMATION: LBST09502150B

**Heat Sink Required For CW
High Power Application!**

