

FEATURES:

- 100 MHz ~ 4.2 GHz;
- 0.3 dB Insertion Loss;
- 0.5 Amp DC Current;
- 50 Volt DC Rating;
- RoHS Compliant.

APPLICATIONS:

- SW;
- VHF, UHF;
- Cellular;
- PCS, 3G;
- L, S, & C Band.



LBST01004200A, 100 MHz ~ 4.2 GHz WIDE BAND 0.5 AMP BIAS-T

ELECTRICAL SPECIFICATIONS @ 21 °C

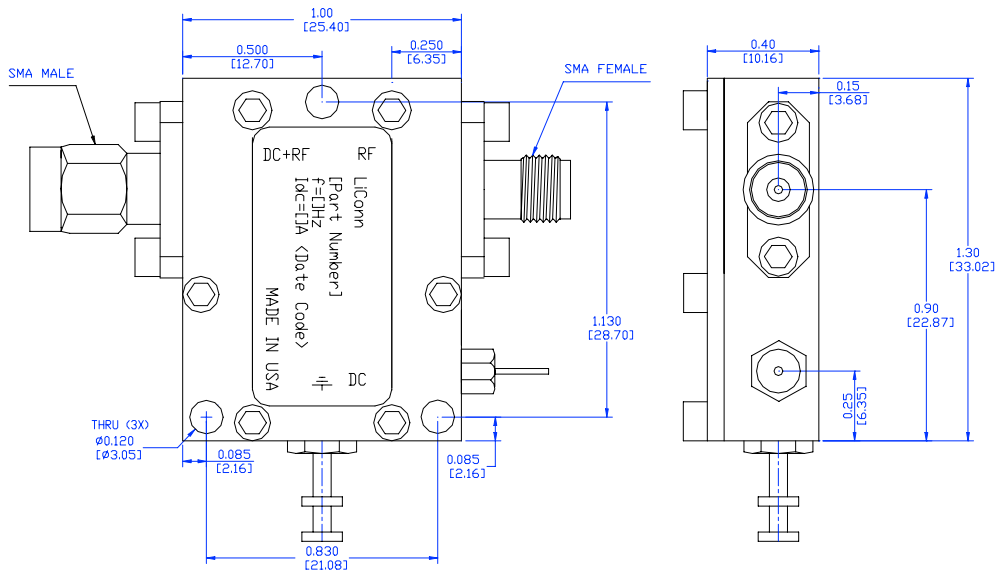
Symbol	Parameters/Conditions	Unit	Min	Typical	Max
f	Passband	MHz	100		4200
IL	Insertion Loss	dB		0.3	0.6
I _{dc}	DC Current Handling	mA			500
V _{dc}	DC Voltage Handling	V			50
P _o	CW RF Power Handling	dBm			30
VSWR _{ij}	Input/Output VSWR	Ratio		1.22:1	1.3:1
Z ₀	Impedance	Ohm			50

ABSOLUTE MAXIMUM RATINGS¹

Parameters/Conditions	Unit	Maximum
Channel Temperature	°C	+150
CW RF Power	dBm	30
DC Current	mA	500
DC Supply Voltage	V	50
Operating Temperature	°C	-40 ~ +85
Storage Temperature	°C	-65 ~ +125

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

MECHANICAL OUTLINE



Preliminary

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

ORDERING INFORMATION: LBST01004200A