

FEATURES:

- 1.0 GHz ~ 8.0 GHz;
- 1.0 dB Max. Insertion Loss;
- 2.0 Amp Max. DC Current @ 25V;
- 10 Watts RF CW Power;
- 50 Volt DC Rating;
- RoHS Compliant.

APPLICATIONS:

- Cellular
- GPS
- PCS, 3G



LBST10008000A, 1.0 GHz ~ 8.0 GHz WIDE BAND 2.0 AMP BIAS-T

ELECTRICAL SPECIFICATIONS @ 21 °C

Symbol	Parameters/Conditions	Unit	Min	Typical	Max
f	Passband	GHz	1.0		8.0
IL	Insertion Loss	dB		1.0	
VSWR	Return VSWR	Ratio		1.5:1	
I _{dc}	DC Current Handling	A		2.0	
V _{dc}	DC Voltage Handling	V		50	
P _o	RF CW Power Handling	W		10	
S ₁₂	Reverse Isolation	dB	40		
Z ₀	Impedance	Ohm		50	

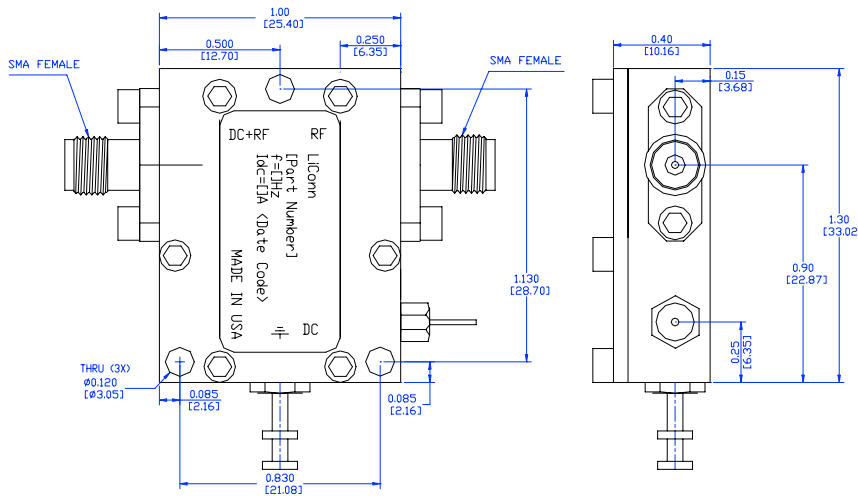
ABSOLUTE MAXIMUM RATINGS¹

Parameters/Conditions	Unit	Maximum
Channel Temperature	°C	+150
CW RF Power	W	10
DC Current	A	2.0
DC Supply Voltage	V	50
Operating Temperature	°C	-40 ~ +85
Storage Temperature	°C	-65 ~ +125

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

Preliminary

MECHANICAL OUTLINE



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

ORDERING INFORMATION: LBST10008000A

Heat Sink Required For CW High Power Application!