

FEATURES:

- 30 MHz ~ 512 MHz;
- 0.5 dB Insertion Loss;
- 1.5 Amp DC Current;
- 5 Watts RF CW Power;
- 50 Volt DC Rating;
- RoHS Compliant.

APPLICATIONS:

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



LBST00300512A, 30 MHz ~ 512 MHz WIDE BAND BIAS-T

ELECTRICAL SPECIFICATIONS @ 21 °C

Symbol	Parameters/Conditions	Unit	Min	Typical	Max
f	Passband	MHz	30		512
IL	Insertion Loss	dB		0.5	0.9
I _{dc}	DC Current Handling	A		1.5	2.0
V _{dc}	DC Voltage Handling	V			50
P _o	RF CW Power Handling	W			5
VSWR _{ij}	Input/Output VSWR	Ratio		1.2:1	1.5:1
Z ₀	Impedance	Ohm		50	

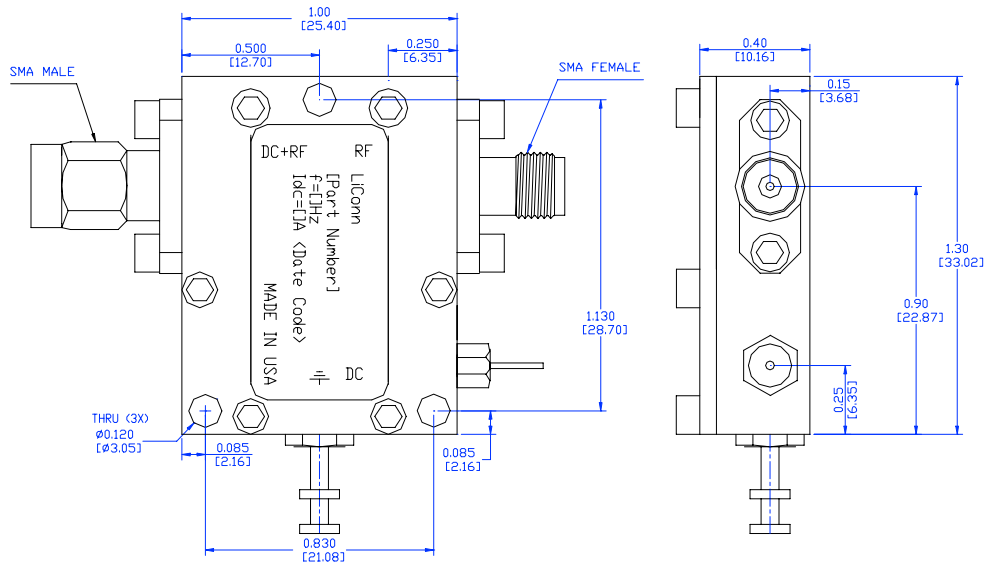
ABSOLUTE MAXIMUM RATINGS¹

Parameters/Conditions	Unit	Maximum
Channel Temperature	°C	+150
CW RF Power	W	5.0
DC Supply Voltage	V	50
DC Current	A	2.0
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: LBST00300512A

Heat Sink Required For CW High Power Application!