

FEATURES:

- 5.0 GHz ~ 7.0 GHz;
- 0.50 dB Insertion Loss;
- 1.25:1 VSWR Max;
- 1.0 Amp DC Current;
- 1.0 Watt CW RF Power Handling;
- 50 Ohm Impedance;
- RoHS Compliant.

APPLICATIONS:

- Security System;
- Measurement;
- Fixed Wireless.

LBST5070A, 5.0 GHz ~ 7.0 GHz Bias-T

ELECTRICAL SPECIFICATIONS @ 25 °C

Symbol	Parameters/Conditions	Unit	Min	Typical	Max
f	Passband	GHz	5.0		7.0
IL	Insertion Loss	dB		0.50	1.0
I _{dc}	DC Current Handling	A			2.0
V _{dc}	DC Voltage Handling	V			50
P _o	CW RF Power Handling	W			1.0
VSWR _i	Input/Output VSWR	Ratio			1.25:1

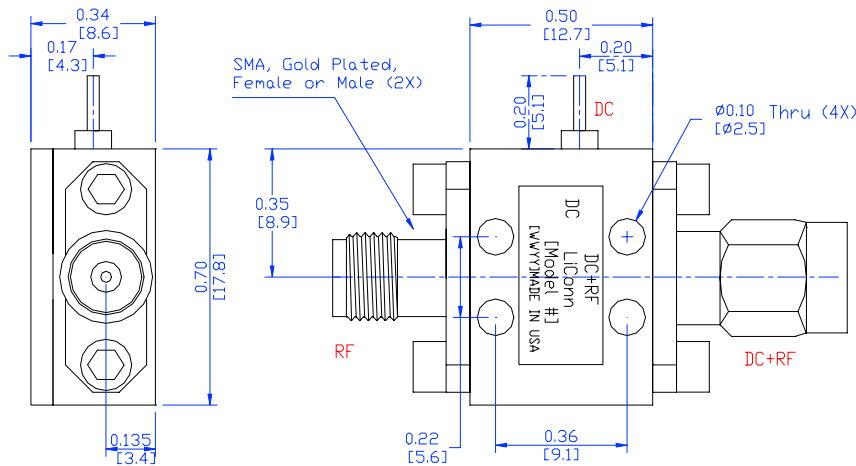
ABSOLUTE MAXIMUM RATINGS¹

Parameters/Conditions	Unit	Maximum
DC Current	A	2.0
DC Voltage	V	50
CW RF Input Power	W	1.0
Operating Temperature	°C	-40 ~ +85
Storage Temperature	°C	-65 ~ +150

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

Preliminary

MECHANICAL OUTLINE



Unit: INCH [mm]
 Base Material: Brass
 Finish: Gold Plating
 Tolerance: X.XXX ±0.005"
 X.XX ±0.01"

ORDERING INFORMATION:

Model Number	RF+DC Port	RF Port
LBST5070A-1	SMA Male	SMA Female
LBST5070A-2	SMA Female	SMA Male
LBST5070A-3	SMA Male	SMA Male
LBST5070A-4	SMA Female	SMA Female