



## FEATURES:

- DC ~ 1.5 GHz Pass Low Band;
- 4.5 GHz ~ 18.0 GHz High Pass band;
- 0.50 dB Insertion Loss;
- 20 dB Stop Bands Rejection;
- 1.0 A Low Band DC Rating;
- -40 °C ~ +85 °C Operation;
- RoHS Compliant.

## APPLICATIONS:

- Radar;
- Receivers;
- ECM System;
- WBA Systems;
- Point to Point;
- Test & Measurement;
- Wide Band PA Driver.



## LBST15180A – DC ~ 18.0 GHz Bias-T

### ELECTRICAL SPECIFICATIONS @ 25 °C

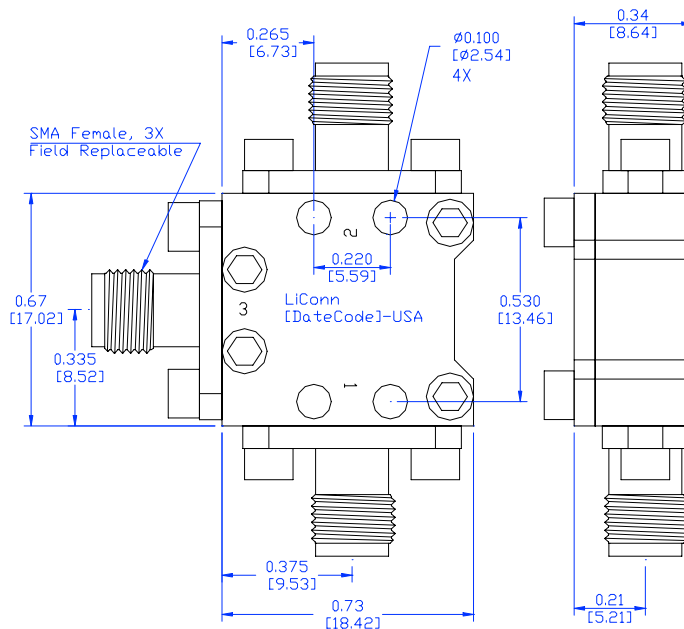
Symbol	Parameters/Conditions	Unit	Min	Typical	Max
$F_L$	Low Passband	GHz	DC		1.5
$IL_L$	Low Passband Insertion	dB			1.0
$F_H$	High Passband	GHz	4.5		18.0
$IL_H$	High Passband Insertion	MHz			1.5
$I_{DC}$	DC Rating, Port 3 to 2	A			1.0
$P_o$	CW Power handling	W		5.0	
$VSWR_L$	VSWR – Low Band	Ratio		1.25:1	1.5:1
$VSWR_H$	VSWR – High Band	Ratio			2:1
$Z_0$	Impedance	Ohm		50	

### ABSOLUTE MAXIMUM RATINGS<sup>1</sup>

Parameters/Conditions	Unit	Maximum
DC Current	A	1.0
DC Voltage	V	25
RF Input Power	W	5
Operating Temperature	°C	-40 ~ +85
Storage Temperature	°C	-65 ~ +150

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

### MECHANICAL OUTLINE

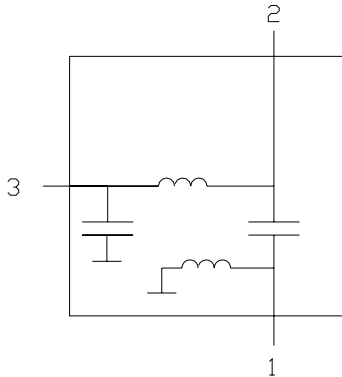


Unit: INCH Base Material: Brass  
 [mm] Finish: Gold Plating  
 Tolerance: X.XXX ±0.005"  
 X.XX ±0.01"

### ORDERING INFORMATION: LBST15180A

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## Electrical Performance



2-1: High Frequency Band  
2-3: Low Frequency Band

