

FEATURES:

- DC ~ 6.0 GHz;
- 50.0 dB Attenuation;
- 10 W CW Power Handling;
- +/- 1.0 dB Variation;
- 1.25:1 VSWR;
- RoHS Compliant;
- Made In USA.

APPLICATIONS:

- Cellular;
- GPS;
- PCS;
- 3G;
- WiMAX;
- C-Band;
- Test & Measurement;



LATTN06B: DC ~ 6.0 GHz 10W (CW), 50 dB ATTENUATOR

ELECTRICAL SPECIFICATIONS @ 21 °C

Item	Parameters/Conditions	Unit	Min	Nom	Max
Z ₀	Impedance	Ohm		50	
F	Operating Frequency	GHz	DC		6
IL	Attenuation	dB	47.5	50	50.5
ΔIL	Attenuation Variation	dB		+/-1	
P _{IN,MAX}	Input Maximum CW PWR	W			10
P _{O,MAX}	Output Maximum CW PWR	W			10
VSWR ₁	VSWR – Input	Ratio		1.25:1	1.5:1
VSWR ₂	VSWR – Output	Ratio		1.25:1	1.5:1

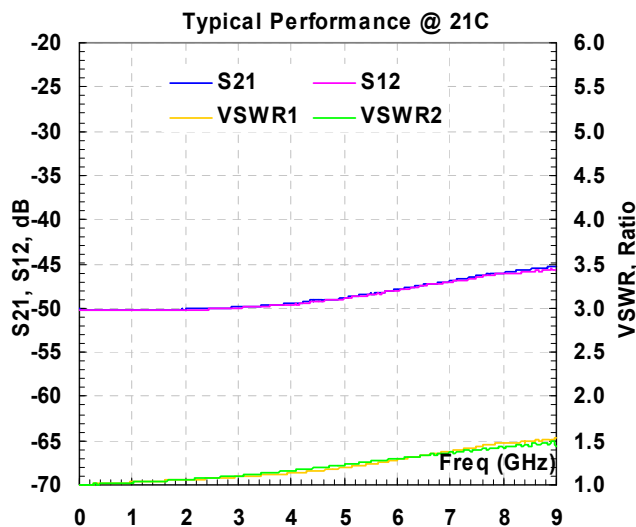
ABSOLUTE MAXIMUM RATINGS*

Parameters/Conditions	Unit	Max
Input Maximum CW PWR	W	10
Output Maximum CW PWR	W	10
Maximum Operating Temp	°C	70
Thermal Resistance, Junction to Case	°C/W	2.5

*Operation beyond any one of these parameters may cause permanent damage

Heat Sink Required!

TYPICAL PERFORMANCE

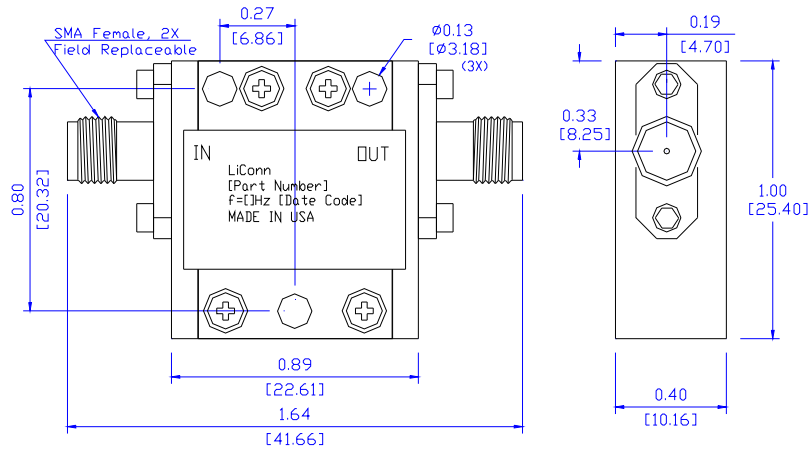


ORDERING INFORMATION

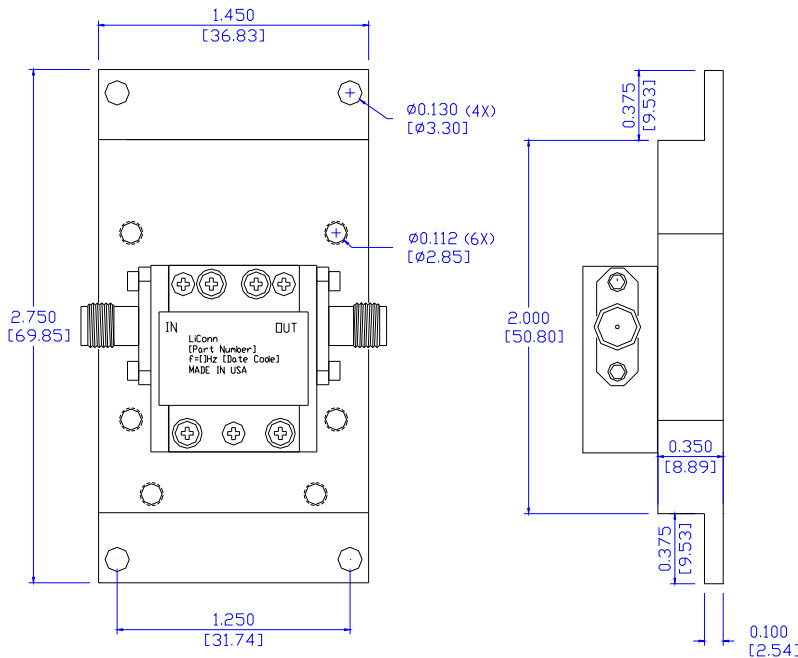
Model Number	Input	Output	Heat Sink Assembled
LATTN06B-1	SMA Male	SMA Female	No
LATTN06B-2	SMA Female	SMA Male	
LATTN06B-3	SMA Male	SMA Male	
LATTN06B-4	SMA Female	SMA Female	
LATTN06B-1-H	SMA Male	SMA Female	Yes
LATTN06B-2-H	SMA Female	SMA Male	
LATTN06B-3-H	SMA Male	SMA Male	
LATTN06B-4-H	SMA Female	SMA Female	

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MECHANICAL OUTLINE (Example with SMA Female as Input/Output)



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



Heat Sink Base Material:
 Aluminum Alloy 6061
 Heat Sink Finish:
 RoHS compliant conducting plating