

FEATURES:



- DC ~ 18.0 GHz;
- Attenuation: 4.5 dB Typical;
- Max. 4 W CW Power Handling;
- Attn. Flatness: ± 0.5 dB Variation;
- 1.5:1 VSWR;
- RoHS Compliant;
- Made In USA.

APPLICATIONS:

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



LATTN18A: DC ~ 18.0 GHz 4W (CW), 4.5 dB ATTENUATOR

ELECTRICAL SPECIFICATIONS @ 21 °C

Item	Parameters/Conditions	Unit	Min	Nom	Max
F	Operating Frequency	GHz	DC		18
IL	Attenuation	dB		4.5	
Δ IL	Attenuation Variation	dB		± 0.5	
$P_{IN,MAX}$	Input Maximum CW PWR	W			4.0
$P_{O,MAX}$	Output Maximum CW PWR	W			4.0
VSWR ₁	VSWR – Input	Ratio		1.5:1	2:1
VSWR ₂	VSWR – Output	Ratio		1.5:1	2:1
Z ₀	Impedance	Ohm		50	

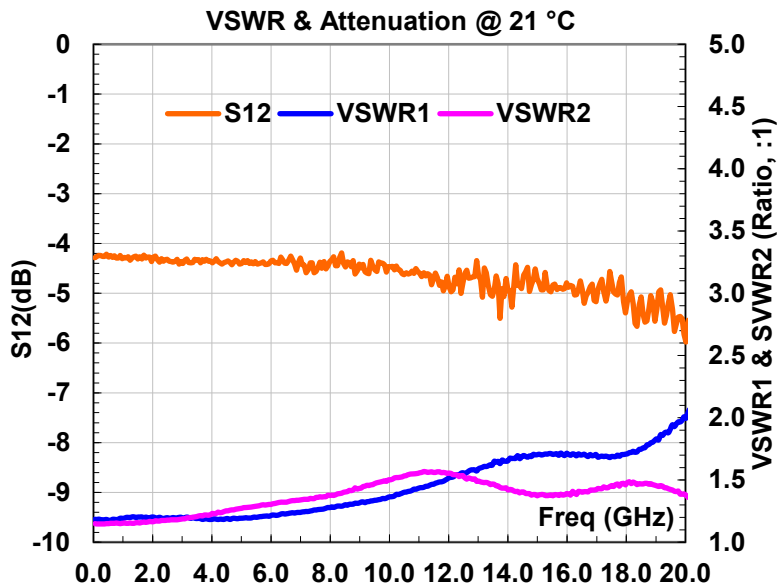
ABSOLUTE MAXIMUM RATINGS*

Parameters/Conditions	Unit	Max
Input Maximum CW PWR	W	4
Output Maximum CW PWR	W	4
Maximum Operating Temp	°C	85
Thermal Resistance, Junction to Case	°C/W	18

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

Heat Sink Required!

TYPICAL PERFORMANCE



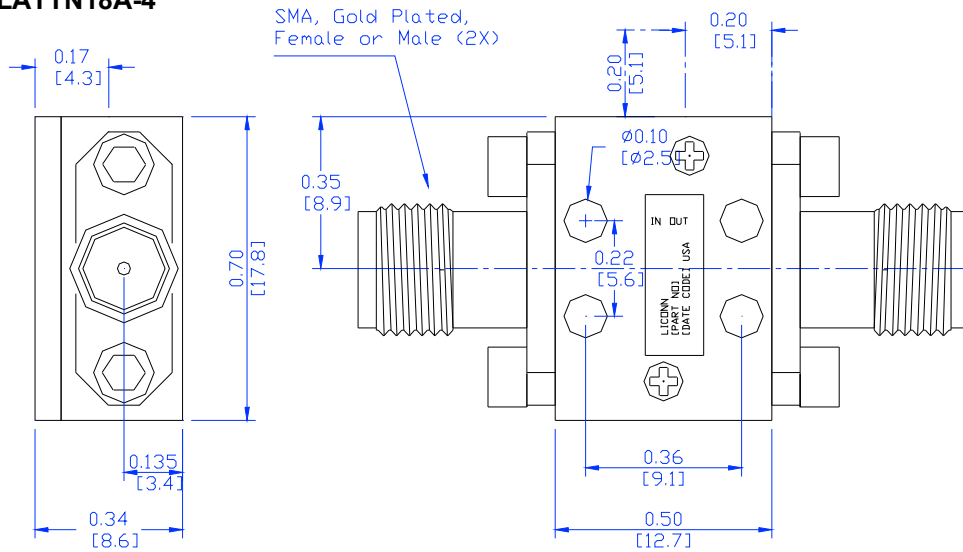
ORDERING INFORMATION

Model Number	Input SMA	Output SMA	Heat Sink Assembled
LATTN18A-1	Male	Female	No Heat Sink/ No Ground Turret
LATTN18A-2	Female	Male	
LATTN18A-3	Male	Male	
LATTN18A-4	Female	Female	
LATTN18AG-1	Male	Female	No Heat Sink/ With Ground Turret
LATTN18AG-2	Female	Male	
LATTN18AG-3	Male	Male	
LATTN18AG-4	Female	Female	
LATTN18A-1-H	Male	Female	With Heat Sink/ No Ground Turret
LATTN18A-2-H	Female	Male	
LATTN18A-3-H	Male	Male	
LATTN18A-4-H	Female	Female	
LATTN18AG-1-H	Male	Female	With Heat Sink/ With Ground Turret
LATTN18AG-2-H	Female	Male	
LATTN18AG-3-H	Male	Male	
LATTN18AG-4-H	Female	Female	

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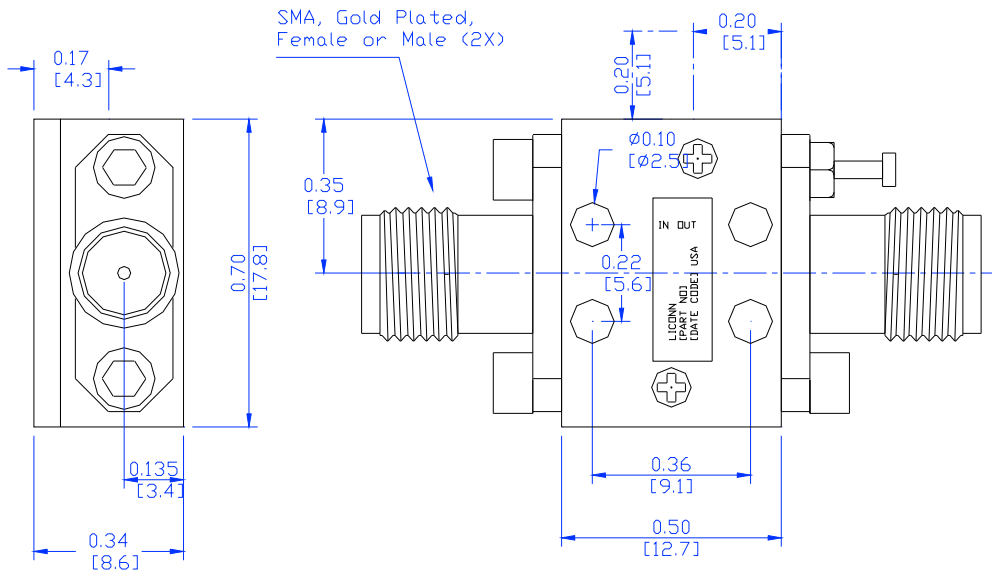
MECHANICAL OUTLINE

LATTN18A-4



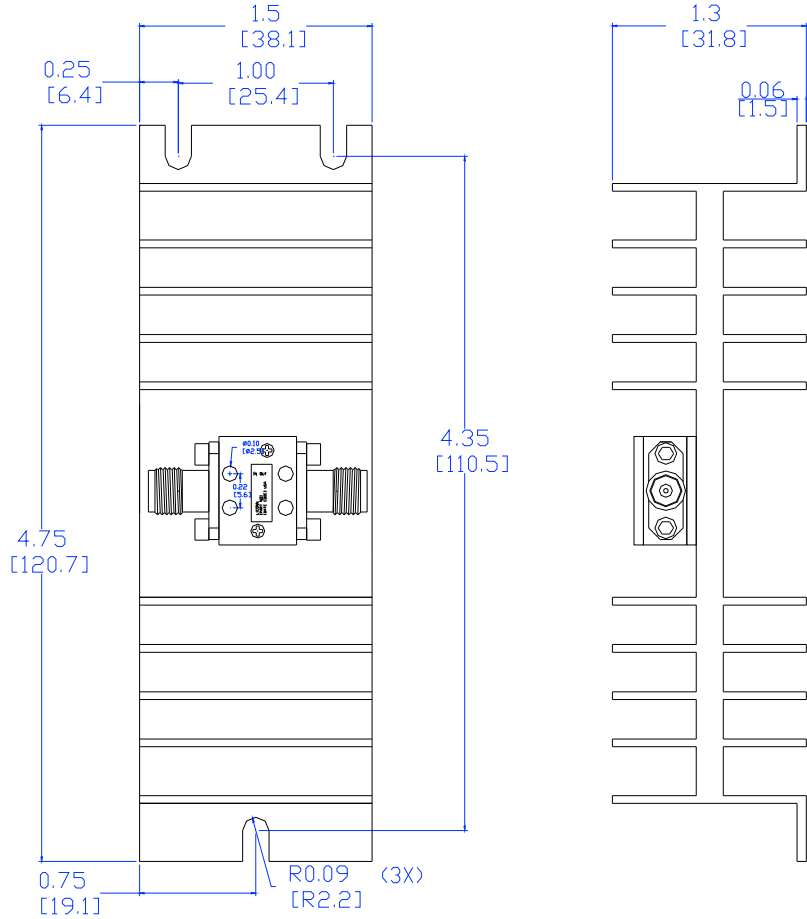
Unit: INCH Base Material: Brass
[mm] Finish: Gold Plating
Tolerance: X.XX ±0.01"
X.XXX ±0.005"

LATTN18AG-4 (with Ground Turret)



LATTN18A: DC ~ 18.0 GHz 4W (CW), 4.5 dB ATTENUATOR

LATTN18A-4-H (with Heat Sink)



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