

FEATURES:

- DC ~ 3.0 GHz;
- 30.0 dB Attenuation;
- Max 200 W Input CW Power Handling;
- VSWR: 1.22:1 Max;
- Designed to meet MIL-STD-202g;
- RoHS Compliant;
- **MADE IN USA.**

APPLICATIONS:

- Test & Measurement;



LATTN03E: DC ~ 3.0 GHz 200W, 30 dB PRECISION ATTENUATOR

ELECTRICAL SPECIFICATIONS @ 21 °C

Item	Parameters/Conditions	Unit	Min	Nom	Max
F	Operating Frequency	GHz	DC		3.0
IL	Attenuation	dB	29	30	31
Δ IL	Attenuation Accuracy	dB		± 0.5	± 1.0
P _{IN,MAX,C}	Input Maximum CW PWR	W			200
P _{IN,MAX,P}	Input Maximum Pulse Wave PWR, 8% duty cycle	W			2000
P _{OUT,MAX}	Output Maximum CW PWR	W			200
P _{OUT,MAX,P}	Input Maximum Pulse Wave PWR, 8% duty cycle	W			2000
VSWR	Input & Output VSWR	Ratio			1.22:1
Z ₀	Impedance	Ohm		50	

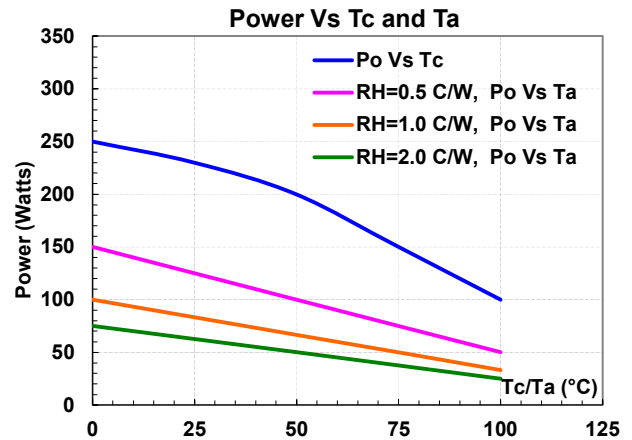
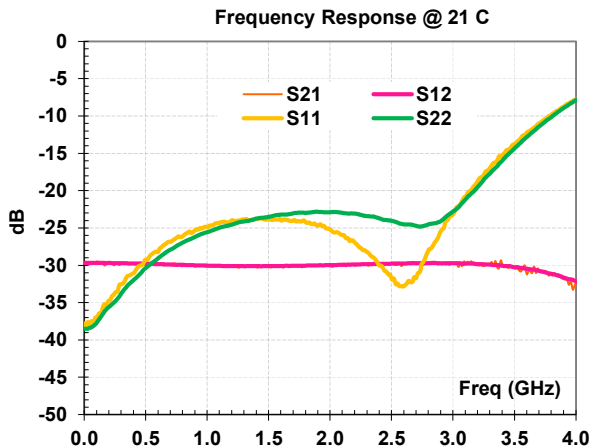
ABSOLUTE MAXIMUM RATINGS*

Parameters/Conditions	Unit	Max
Input/Output Maximum CW PWR	W	200
Maximum Case Operating Temp	°C	85
Thermal Resistance, Junction to Case	°C/W	0.5

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

Additional Heat Sink Required!

TYPICAL PERFORMANCE



Tc: Case Temperature

Ta: Ambient Temperature

RH: Heat sink thermal resistance, case to ambient

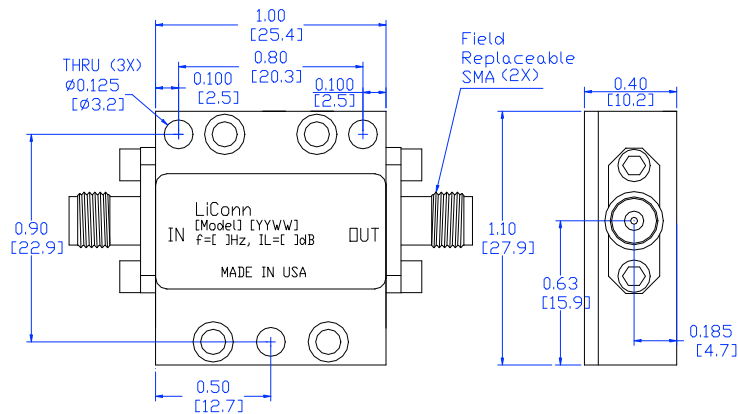
LATTN03E: DC ~ 3.0 GHz 200W, 30 dB PRECISION ATTENUATOR

ORDERING INFORMATION

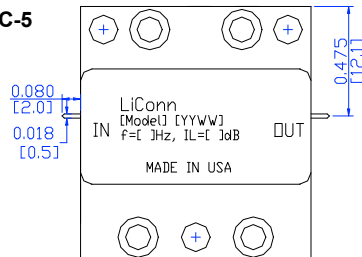
Model Number	Input SMA	Output SMA
LATTN03E-1	Male	Female
LATTN03E-2	Female	Male
LATTN03E-3	Male	Male
LATTN03E-4*	Female	Female
LATTN03E-5	None	None

* Default Sub-Model

MECHANICAL OUTLINE



LATTN03C-5



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

MOUNTING ATTENUATOR

Additional heat sink is required. A Tgon thermal film is required between the bottom of the attenuator and the heat sink for the effective thermal dissipation. Use 4 pieces of #4-40 with longer than 9/16" screws to mount the attenuator on a metal-based chassis. Flat and spring washers are needed to prevent the screw from loosening during the shock and vibration. Always use the appropriate torque setting of the power screwdriver to mount them.