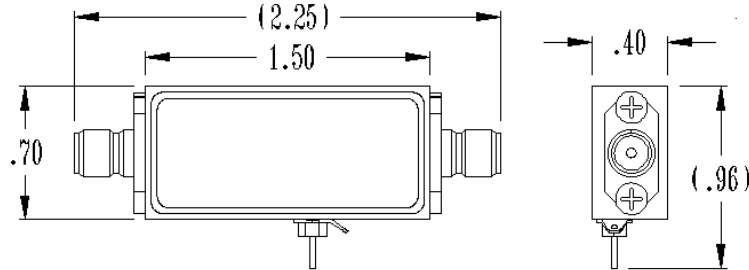


AMPLM970 Low Noise Amplifier



Outline Drawing



All dimensions in inches

Features:

- Custom Designs to Your Specifications
- Small to Medium Production Quantities

Overview

Mid-Atlantic RF Systems offers a low noise amplifier, specified over the range of 960 to 1240 MHz. This unit is supplied as a drop-in module with SMA (female) connectors. It runs off a single +15 VDC source and can handle 10 watts continuous. This unit will operate over a substantially wider frequency range with slightly reduced specifications.

Electrical Specifications:

Frequency Range:	960 to 1240 MHz
Gain:	30 to 35 dB
Gain Flatness:	± 0.6 dB max.
Noise Figure:	1.8 dB max.
P1 dB:	+10 dBm min.
IP3:	+30 dBm min.
VSWR/Return Loss In/Out:	2:1 max / 9.5 dB min.
DC Power:	+15 VDC/150mA
Limiters:	10W CW Input 100W Peak for 10 uSec.min.

Mechanical Specifications:

Dimensions:	1.5" x 0.7" x 0.4"
Connectors:	SMA (f) x2
Vibration:	13.7 G RMS Random @ 0 to 2000 Hz
	8 G max. Sinusoidal @ 100 to 440 Hz
	6 G max. Sinusoidal @ 440 to 1000 Hz
Shock:	20 G/0.011 Sec, All axes

Environmental Specifications:

Temperature Range: 0 to +85°C, Base Plate