

Features: (typical values)

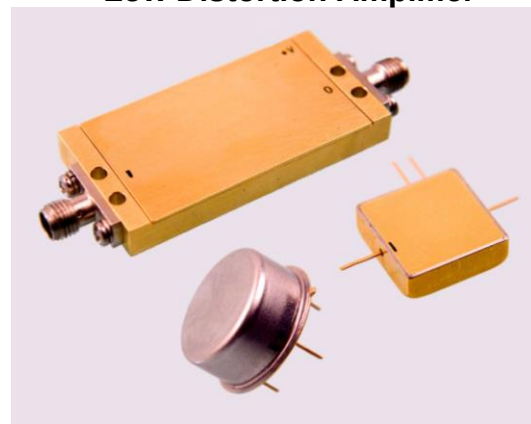
- Output Power +35 dBm.
- Low Noise 3.0 dB.
- High Gain+36 dB.
- No external components required

Maximum Ratings

Storage Temperature -62°C to +125°C
 DC Voltage +24volts
 RF Input Power+5 dBm.
 Case Temperature +95°C

Specifications (Referenced to 50 ohms Impedance)

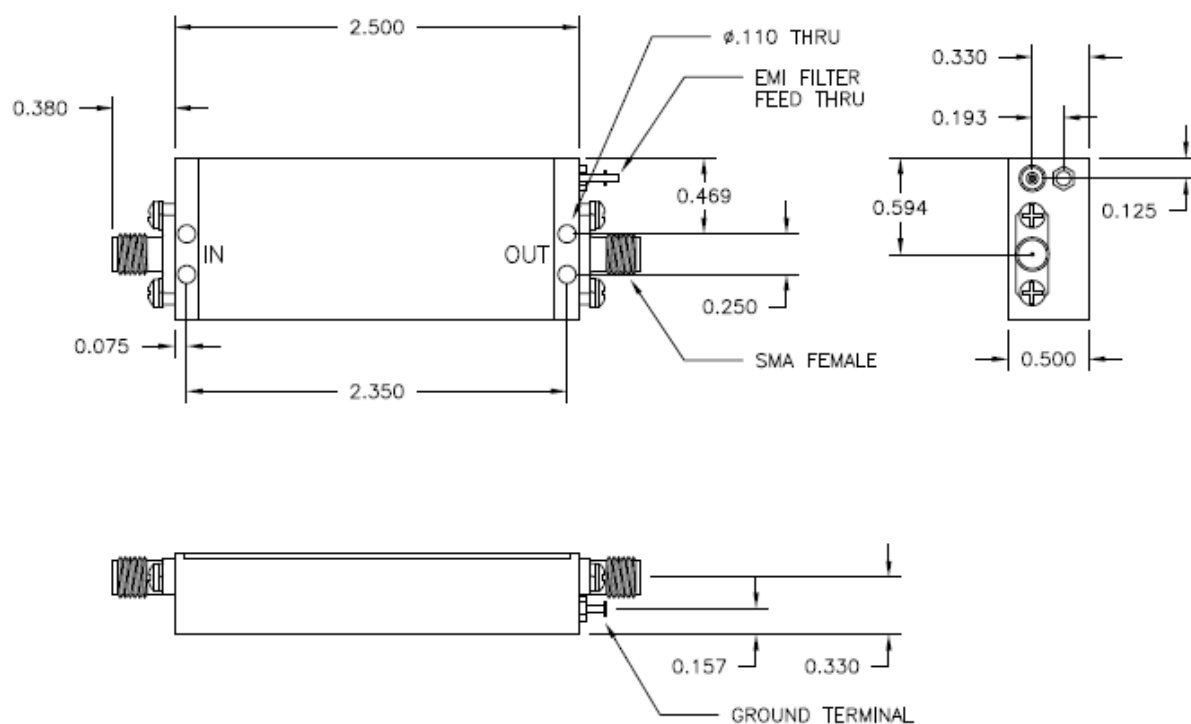
30-600 MHz Low Distortion Amplifier



Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		30	600	MHz.
Gain	35.5	34	37	dB.
Reverse Isolation	-45		-40	dB.
Pout @ 1dB Comp	+36.0	+34.0		dBm.
NF	3.0		5	dB.
OIP ₃ (two-tone)@ +25dbm per tone $\Delta f=2$ MHz	52	48		dBm.
OIP ₂ (two-tone) @+25dbm per tone	80	65		dBm.
Input Return Loss	-14		-10	dB
Output Return Loss	-10		-7	dB
Supply Required	+24/550		+24/650	v/mA.

Min. and max. values are from 0°C to +50°C

OUTLINE



FUNCTIONAL BLOCK DIAGRAM

