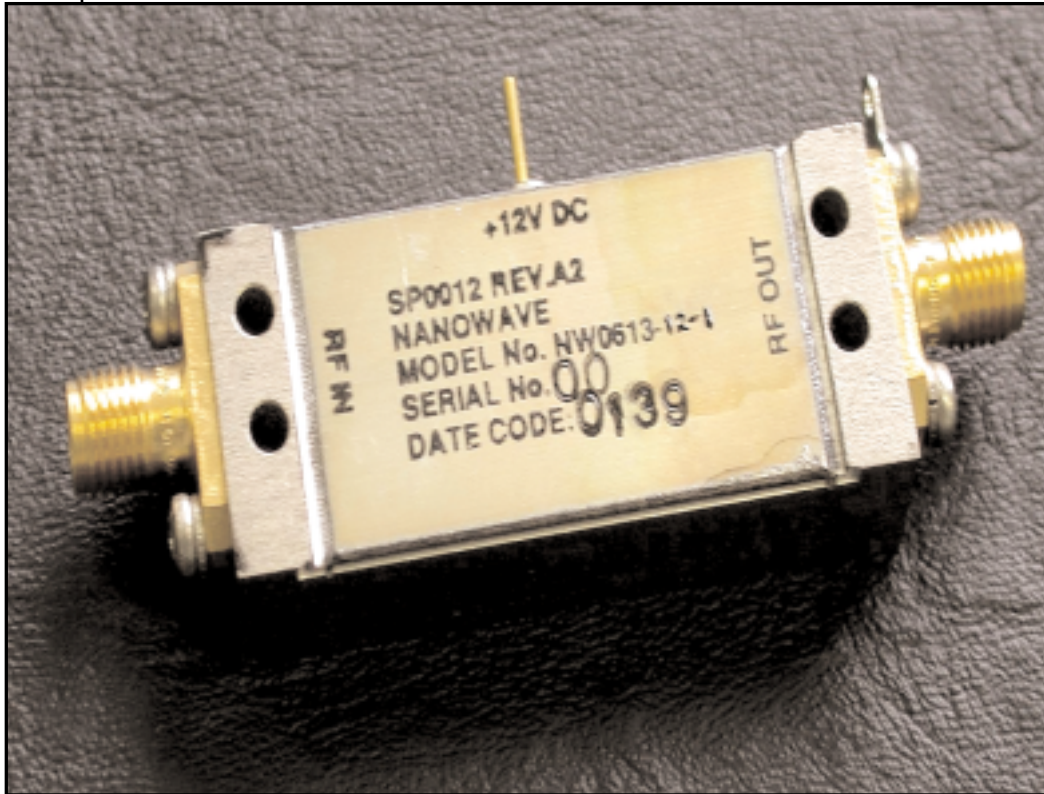




LIMITING AMPLIFIER



FEATURES

- Operating Frequency 6 - 12 GHz
- Supply Voltage 12V
- Wide Dynamic Range 20 dB
- Psat 11 dBm
- Psat Variation 2 dB peak-to-peak
- Phase Flatness 4 deg peak-to-peak

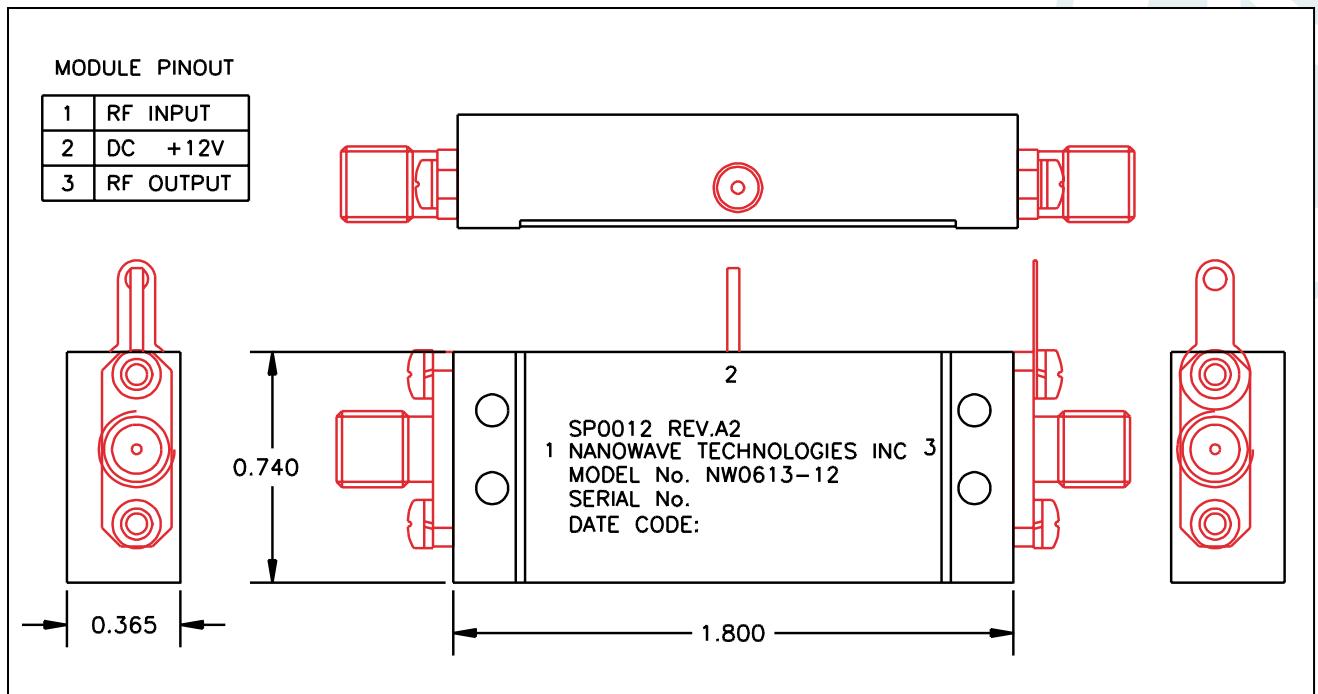
PACKAGING

- Hermetically Sealed
- Input/Output Field Replaceable SMA Connectors
- Miniaturized Size: 1.800" x 0.740" x 0.365"

APPLICATIONS

- Optical Fiber Applications

OUTLINE DIAGRAM



CHARACTERISTICS

MODEL NW0613-12-1

PARAMETER	UNITS	CONDITIONS	MIN.	MAX.	TYPICAL
Supply Voltage	V				12
Supply Current	mA			600	
Frequency Band	GHz		6.0	12	
Nominal Output Power	dBm				11
Parameters Output Power	dBm	$P_{in} = -20 - 0$ dBm	10	14	
Output Power Variation (peak-to-peak)	dB	$P_{in} = -20 - 0$ dBm			2.0
Phase Flatness	Degree	$P_{in} = -20 - 0$ dBm			4.0
Input Return Loss	dB	25 °C			10
Output Return Loss	dB	25 °C			10
Noise Figure	dB				5.0
Operating Temperature Range	°C		0	70	

Specifications are subject to change without notification. Consult Nanowave Technologies, Inc. for specific applications/requirements.