

### Features

- Small 1.9" x 2.4 x 0.40" Package
- Output Frequency Range (18 – 40 GHz)
- Input Frequency 0.5-20 GHz
- 3 Bands with Bypass Mode

### Applications

- EW / SIGINT
- Radar
- Microwave Radio
- Instrumentation / Test Module

## Performance Specifications

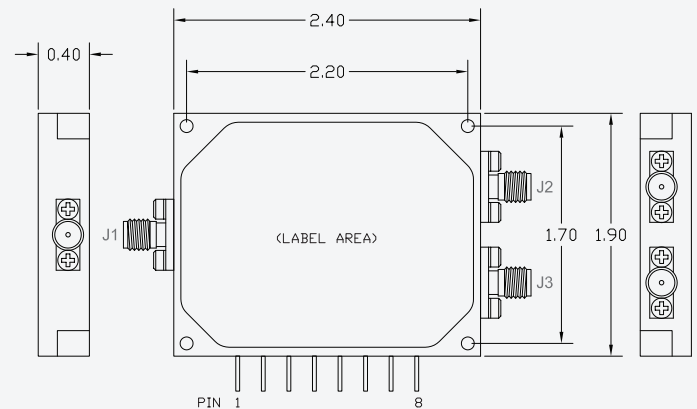
PARAMETER	VALUE
Input Frequency Range	0.5 – 20 GHz
Bypass Path	0.5 – 20 GHz
Band 1	9.0 – 12.0 GHz
Band 2	12.0 – 16.0 GHz
Band 3	16.0 – 20.0 GHz
Supply Voltages	+5 VDC, 525 mA
	-5 VDC, 100mA
Control Inputs	LVTTL
Input VSWR	2.5:1
Output VSWR	3.0:1
Input Power Range	+ 9 to +16 dBm
Output Power Over Input Power Range	
Band 1 to Band 3	+10 to + 20 dBm
Bypass Mode	-5 dB
Harmonics	-15 dBc
Sub-Harmonics	-30 dBc
Spurious	-50 dBc
Phase Noise Degradation	
1kHz to 1 MHz	6 dB
Output Blanking	-60 dB
Switching Time	10 usecs
	100 usecs

## Environmental Specifications

PARAMETER	VALUE	OPTIONS
Operating Temperature	-55 to +85 degC	
Burn-In	48 hrs at 85 deg C	As Required
Vibration	As Required	
Shock	As Required	
Temp Cycle	As Required	

## Maximum Ratings

PARAMETER	MAX VALUE
STORAGE TEMP. RANGE	-65 to +125 deg C
+5 VDC	+5.5 VDC
-5 VDC	-5.5 VDC



PIN 1	BLANK	5	BAND 3
2	BYPASS	6	+5VDC
3	BAND 1	7	-5VDC
4	BAND 2	8	GND

