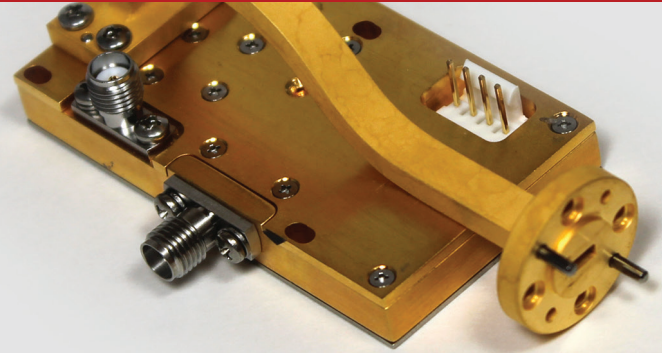


Features

- Small 1.4" x 3.6 x 1.0" Package
- Input Frequency 51-59 GHz
- LO Frequency 12.75-14.75 GHz
- IF Frequency 10-160 MHz
- Noise Diode for System Calibration

Applications

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



Performance Specifications

PARAMETER	VALUE
Input Frequency Range	51.0 – 59.0 GHz
LO Frequency Range	12.75 – 14.75 GHz
IF Output Range	10 – 160 MHz
Supply Voltages	+8 VDC, 300 mA
Rx VSWR	2.5:1
LO VSWR	2.5:1
IF VSWR	2.0:1
Conversion Gain	28 +/- 3 dB
Noise Figure	5 dB
Input 1 dB Compression	-30 dBm
LO Input Power	2 dBm

Environmental Specifications

PARAMETER	VALUE	OPTIONS
Operating Temperature	10 to +60 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	-40 to +80 deg C
+8 VDC	+10 VDC

