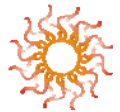


Parameter	Condition	Specification
Input Frequency Range		950 to 1525MHz
Output Frequency Range		5.85 to 6.425 GHz
Conversion Gain		70 dB, nom
Gain Variation over Full band		3.0 dB p-p, max
Gain Variation over 36 MHz		1.0 dB p-p, max
Gain Variation over Temperature		± 2.0 dB p-p, max
Output Power @ P1dB		43 dBm, min
Phase Noise @ 1 kHz		-70 dBc/Hz, max
@ 10 kHz		-80 dBc/Hz, max
@ 100 kHz		-90 dBc/Hz, max
Requirement for External Reference		
Frequency		10 MHz (sine-wave)
Input Power		-5 to +5 dBm
Phase Noise @ 100 Hz		-125 dBc/Hz, max
@ 1 KHz		-135 dBc/Hz, max
@ 10 KHz		-140 dBc/Hz, max
Spurious in Band		-60 dBc, max
Harmonics 2nd		-50 dBc, max
LO Leakage		-30 dBm, max
Mute Function		-60 dBc, max
Input VSWR		1.5 :1, max
Output VSWR		1.5 : 1, max
IMD 3 rd Order	two equal tones @ 37 dBm SCL, 5 MHz apart	-25 dBc, max
RX band Noise Power Density	3.625 – 4.2 GHz	-150 dBm/Hz typ.
Over-temperature shut-down		(80-0/+5) °C case
AC Power Consumption		220 W, max
TX IF IN Connector	N-Type, female	10 dBm, max, L-Band
		10 dBm, max, 10 MHz Ref



TX RF OUT Interface	WR-137	45 dBm, max, C-Band
AC Input Connector Pin-out:		
Pin A	Line	90-265 VAC; 47-63 Hz; Auto-ranging
Pin B	Chassis GND	
Pin C	Neutral	
M&C Connector Pin-out		
Pin A	Signal GND	
Pin B	Temp. Monitor	3.0 V at 30°C; 10mV/°C
Pin C	Power Detector	5 V max @ P1dB
Pin D	Summary Alarm	Alarm = 5V; Normal = 0V
Pin E	Mute HPA In	5V Internal pull-up Mute = Input to GND
Pin L	Lock Monitor	Alarm/Unlock = 0V; Normal/Lock = 5V
Pin M	Signal GND	
Environmental Conditions		
Temperature	Operating	-40°C to +55°C
	Storage	-55°C to +85°C
Humidity		100%, condensing (2" rain/hour)
Altitude		10,000' AMSL, de-rated 2°C/1,000' from AMSL
Dimension		272 X 215 X 137 mm
Weight		6 Kg
Waveguide Mounting Screw		#10-24

Outline dimension: (in mm)

