

Parameters	Specifications
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#### Input Characteristics

Frequency Range	A : 950 ~ 1450 MHz B : 950 ~ 1450 MHz C : 950 ~ 1700 MHz
Impedance	75 Ohm , 50 Ohm
VSWR	2 : 1
Interface	F-Type or N-Type

#### Output Characteristics

Frequency Range	A : 14.00 ~ 14.50 GHz (LO Freq = 13.05GHz) B : 13.75 ~ 14.25 GHz (LO Freq = 12.80GHz) C : 13.75 ~ 14.50 GHz (LO Freq = 12.80GHz)
1dB Compression Point	Min. 33dBm
VSWR	2 : 1
Interface	WR75G

#### Transfer Characteristics

Frequency Sense	Non-inverted
Linear Gain	Typical 55 dB
Gain Variation	Over 54 MHz 1.5 dB Over the whole Bandwidth 4 dB Over Operation Temperature 4 dB
Spurious	In band -60dBc Out of band -50dBc
Phase Noise	100Hz -60dBc/Hz 1KHz -70dBc/Hz 10KHz -80dBc/Hz 100KHz -90dBc/Hz

#### Miscellaneous

External Reference	Input Frequency 10MHz Input Power -5 to +5dbm@Input Port Phase Noise -125dBc/Hz @ 100Hz offset -135dBc/Hz @ 1kHz offset -140dBc/Hz @ 10kHz offset
Operating Voltage DC	15 ~ 24 VDC
Power Consumption	Max. 18W
Operating Temperature	-40 to +55 ℃
Humidity	Up to 100%
Internal Function	Lock Detector shuts off Tx in case of LO unlocked
Dimensions / Weight	128.4 x 95.1 x 58.3 (mm) / 0.7Kg