



55 GHz Down Converter

RF Frequency (GHz)	54.27 – 55.27
LO Frequency (GHz)	10.37 – 10.57
IF Frequency (GHz)	12.74 – 13.04
LO Drive (dBm)	0 - +3
Conversion Gain (dB)	27
Gain Flatness (\pm dB)	± 2
Conversion Gain Match (dB)	± 1 @ 54.77 GHz
Noise Figure (dB)	< 20.0
Output P-1 Min (dBm)	+ 19.5
Image Rejection (dBc Typical)	-65.00
VSWR RF/LO/IF	2.0:1
IF - RF Leakage (dBm Max)	> -30
LO - RF Leakage (dBm Max)	> -30
Supply Voltage (+ VDC \pm 5%)	5.5
Supply Current (mA Max)	1,320
RF Connector	WR-15
LO & IF Connector (Female)	SMA
Package Size (“)	0.6 X 1.2 x 3.64

