



43-46 GHz Waveguide Down Converter

▪ RF Frequency (GHz)	43 - 46
▪ LO Frequency (GHz)	40.4 – 42.2
▪ IF Frequency (GHz)	3.2
▪ IF BW (MHz)	500
▪ LO Drive (dBm)	8 ± 2
▪ Conversion Gain (dB)	10 ± 3
▪ Gain Flatness (± dB)	±1.5
▪ Output P-1 dB (dBm)	+15
▪ Output IP3 (dBm)	+25
▪ LO - IF Leakage Max (dBm)	-60
▪ RF - IF Isolation Min (dBm)	60
▪ Harmonics Min (dBc)	-40
▪ Spurious (dBc) @ +5 dBm out	-50
▪ VSWR RF/LO	1.5:1
▪ VSWR IF	1.7:1
▪ Supply Voltage (+ VDC)	12
▪ Supply Current (mA Max)	500
▪ RF Connector	WR-22
▪ LO Connector (Female)	1.85 mm
▪ IF Connector (Female)	SMA

