

PTP Radio Transceivers (Preliminary Specification)

SPECIFICATION	TX	RX
RF Frequency	12.7-13.2 Ghz	12.7-13.2 Ghz
	14.5-15.3 Ghz	14.5-15.3 Ghz
	17.7-18.9 Ghz 18.7-19.7 Ghz	17.7-19.7 Ghz
	21.2-22.6 Ghz 22.4-23.6 Ghz	21.2-23.6 Ghz
	24.5-25.5 Ghz 25.5-26.5 Ghz	24.5-26.5 Ghz
	38.6-40.0 Ghz	38.6-40.0 Ghz
	VCO Frequency	4 to 5 Ghz
VCO Sample	/2	/2
LO Frequency	X4 & X6	X4 & X6
LO Leakage	0 dBm Max	
IF frequency (Typical)	2 to 2.8 Ghz, ± 40 Mhz BW	1.5 to 2.0 Ghz, ± 40 Mhz BW
RF Output Power	+22 dBm Min	
RF Input NF		4.5 dB Max
Conversion Gain	25 dB Typical	15 dB Typical
VSWR All Ports	2:1	2:1
TX to RX Isolation		TBD Customer to specify
Harmonics	-30 dBm Max	
Spurious	-50/dBm Typical	
TRX DC Bias	+5 @ 1.3 A -5 @ 60 mA +12 @ 250 mA	Same
Operating Temperature	-30 to +70 °C	Same
Connectors	RF: WR-62 (13 & 15) WR-42 (18, 23, & 26) WR-28 (38) IF & ½VCO: SMA-F DC: Multi-Pin	Same
Size (inches)	9 x 5 x 1 Max	Single Housing