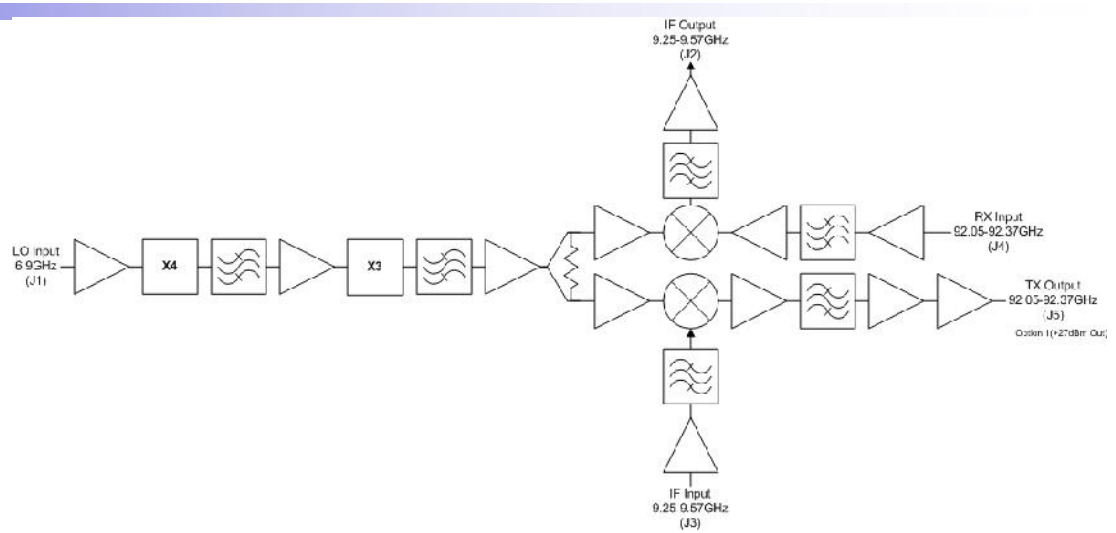
NORDEN MILLIMETER

92 - 93 GHz Transceiver

Specification	Min	Max
RF Frequencies (GHz)	92.05	92.37
IF Frequencies (GHz)	9.25	9.57
LO Frequency (GHz)		82.8
LO / RF Connector	WR10 UG-387	
IF Connector	SMA Female	
Up Converter		
Conversion Gain (dB)	10	
LO Leakage @ RF Port (dBm)		-45
Image Rejection @ RF Port (dBc)		-45
RF/LO/IF VSWR		3.00:1
Down Converter		
Conversion Gain (dB)	15	
Noise Figure (dB)		8
Image Rejection (dBc)	-45	
RF VSWR		2.00:1
LO/IF VSWR		3.00:1
X12 Multiplier		
Input Frequency (GHz)		6.9
Output Power (dBm)	9	12
Harmonics (dBc)		-50
Spurious (dBc)		-65
100 MHZ Source		
Input Reference Frequency (GHz)	100	100
Output Frequency (GHz)	7	7
P-Out (dBm)	13	16
Phase Noise @100KHz Offset (dBc/Hz)		105
Phase Noise @ 1MHz Offset (dBc/Hz)		125
Phase Noise @ 10MHz Offset (dBc/Hz)		145
Harmonics (dBc)		-50
Spurious (dBc)		-65
Output VSWR		2.00:1
Supply Current @ +12VDC ± 5% (mA)		**400**
Supply Current @ +8VDC ± 5% (mA)		**1,500**



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