



BUC

X-BAND 5010XRT-2

10W NON-INVERTED

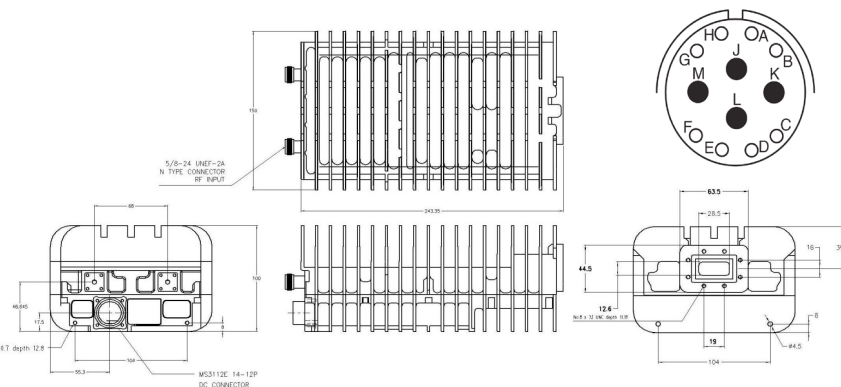


TYPICAL SPECIFICATIONS

Output frequency	7.9 to 8.4 GHz
Input frequency	950 to 1450 MHz
Output to P1dB	40 dBm min.
L.O. frequency	6.95 GHz
Output VSWR	1.4 : 1 max
Phase noise (SSB) maximum	-73 dBc/Hz at 1 kHz -83 dBc/Hz at 10 kHz -93 dBc/Hz at 100 kHz
External reference signal frequency	10 MHz
External reference level	-5 to +5 dBm
External reference phase noise	-130 dBc/Hz max at 100Hz -143 dBc/Hz max at 1 kHz -152 dBc/Hz at 10 kHz
Spectral regrowth	26 dBc max. @ 40 dBm
Gain control (1dB step)	50 dB min., 65 dB max.
Gain stability over temperature	±1.0 dB at any constant frequency
Gain flatness	±0.4 dB in any 36 MHz ±1.25 dB over full band
Mute	@ LO unlock or temp over 85°C
Operating temperature	-40°C to 60°C
Power requirements	+22 to +56 VDC supplied through MS connector
Power consumption	100W max
Input interface	N-female, F-female
Output interface	CPR-112G
Dimensions	245 (L) x 150 (W) x 100 (H) mm
Weight	3.5 kg

Connector	Parameter	Description
J1	IF Input Connector	N-Female, panel mounted
	Impedance	50 ohm
	10 MHz Reference input	Ground
J2	RF output connector	CPR-112G waveguide flange
J3	DC/M&C	Panel-mount (MS31112e14-12P)
	J3-A	RS-232 Rx
	J3-B	RS-232 Tx
	J3-C	RS-232 ground/RS-485 ground
	J3-D	Mute (Low: Microwave mode) (High: LinkControl mode)
	J3-E	RS-485 Tx+
	J3-F	RS-485 Tx-
	J3-G	RS-485 Rx+
	J3-H	RS-485 Rx-
	J3-J	+22 to +56V
	J3-K	Ground
	J3-L	Ground
	J3-M	+22 to +56V
J4	RF sampler	N-female, panel mounted
	Impedance	50 ohm
	Sample Frequency	950 - 1450 MHz

MECHANICAL DIAGRAM



HOW TO ORDER

5010XRT-2N

CONNECTOR	N - 50 Ohm F - 75 Ohm
P1dB	10W (40 dBm)
TRANSMITTER SERIES #	

