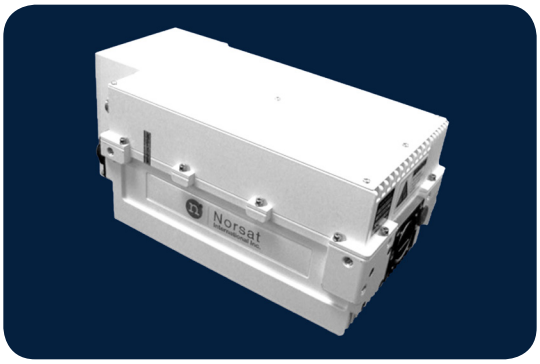
Norsat International Inc.

Innovative Communication Solutions

35 YEARS OF EXCELLENCE

BUC

KU-BAND 1020XRT 20W

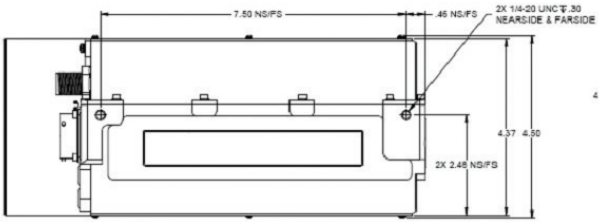


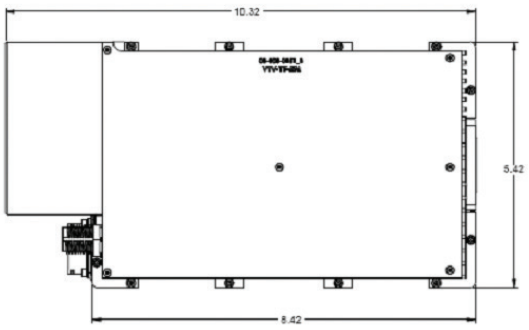
TYPICAL SPECIFICATIONS

Output frequency	14.0 GHz to 14.5 GHz 13.75 GHz to 14.5 GHz (extended)
Input frequency	950 to 1450 MHz 950 to 1700 GHz (extended)
LO frequency	13.05 GHz 12.80 GHz (extended)
P1dB Output Power	> 43 dBm
Input VSWR	2 : 1
Output VSWR	1.25 : 1
Phase noise	Meets IESS-308
Small Signal Gain	70 dBm
Output Spurious	-55 dBc
Prime Power	28 V, 48 V, IFL option (200W)
DC & M&C Connector	32 Pin Military Circular
Monitor and Control	Serial RS-485 (SA-bus), Forward Power Monitor, Step Attenuator, Ethernet Option
Dimensions	10.3″ (L) x 5.4″ (W) x 4.4″ (H) 262 (L) x 137 (W) x 112 (H) mm
Weight	9.2 lbs 4.2 kg

Frequency Reference (10MHz on IF)	0 dm ±5dB
Intermodulation with two equal carriers at 3dB total power backoff from rated power	-25 dBc
Spectral Regrowth (typical) at 2db below rated output power at 1.0x symbol rate offset for OQPSK or QPSK	-30 dBc
Noise Power, maximum Receive band	-150 dBw / 4 kHz
LED Indicators	Summary Fault (Red) Loss of Lock (Yellow)
Temperature Range	-40°C to 60°C

MECHANICAL DIAGRAM





HOW TO ORDER

1020XRTNE

TRANSMITTER SERIES #		
P1dB		20 W
CONNECTOR		N F
	H E	14.0 - 14.5 13.75 - 14.5

CE

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