



Norsat
International Inc.

Intelligent Satellite Solutions



BUC

KA-BAND 7020ST

2W NON-INVERTED

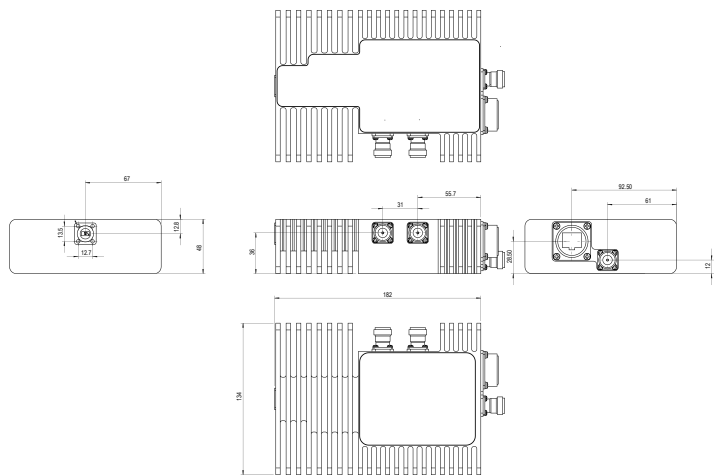


TYPICAL SPECIFICATIONS

Output frequency	29.5 GHz to 30.0 GHz
Input frequency	950 to 1450 MHz
Output to P1dB	33 dBm
L.O. frequency options	29 GHz (29.05, 28.55 GHz)
Input VSWR	1.5 : 1
Output VSWR	2.0 : 1
Phase noise (SSB)	-65 dBc/Hz at 100 Hz -75 dBc/Hz at 1 kHz -85 dBc/Hz at 10 kHz -95 dBc/Hz at 100 kHz -105 dBc/Hz at 1 MHz
External reference signal frequency	5 MHz or 10 MHz (optional)
Power requirements	+17 to +30V supplied through center conductor of IF cable
Power consumption	35 W
Output Waveguide	WR28 - grooved
Dimensions	200 (L) x 130 (W) x 48 (H) mm (8.7" x 5.1" x 1.9")
Weight	1.5 kg

External reference level	-5 to +5 dBm
10 MHz external reference phase noise	-140 dBc/Hz at 1 kHz
Gain	55 dB typ
Gain stability over temperature	±2.0 dB at any constant frequency
Gain stability in-band at any constant temperature	±0.3 dB in any 36 MHz band ±1.5 dB over full band
Temperature Range	-30°C to + 60°C
Monitor & Control	Gain Control +0, -15 dB, 1 dB Steps Summary Alarm

MECHANICAL DIAGRAM



HOW TO ORDER

7020STNEL

EXT. REF. FREQUENCY L - 5 MHz
 H - 10 MHz

E - IF: 1000 - 2000, RF: 30 - 31
H - IF: 950 - 1950, RF: 30 - 31
S - IF: 950 - 1450, RF: 29.5 - 30

CONNECTOR N - 50 Ohm

P1dB 2W

TRANSMITTER SERIES #



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