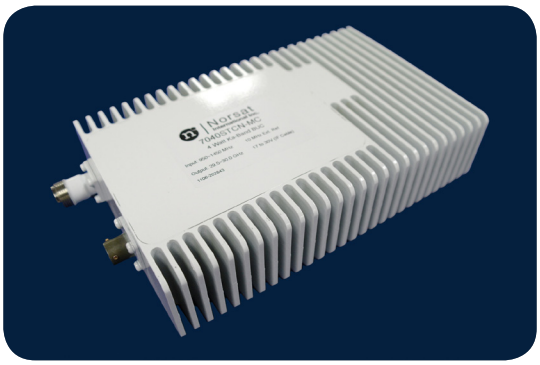
Norsat International Inc.

Pioneering the **Broadband Frontier**

30 Years of Excellence SINCE 1977

BUC

KA-BAND 7020STC 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	28.55 GHz
Input VSWR	1.5 : 1
Output VSWR	2.0 : 1
Phase noise (SSB)	-47 dBc/Hz at 100 Hz -72 dBc/Hz at 1 kHz -77 dBc/Hz at 10 kHz -92 dBc/Hz at 100 kHz -105 dBc/Hz at 1 MHz
External reference signal frequency	10 MHz
Power requirements	+17 to +30 V supplied through center conductor of IF cable
Output Waveguide	WR28
Dimensions	220 (L) x 130 (W) x 48 (H) mm (8.7″ x 5.1″ x 1.9″)
Weight	1.5 kg

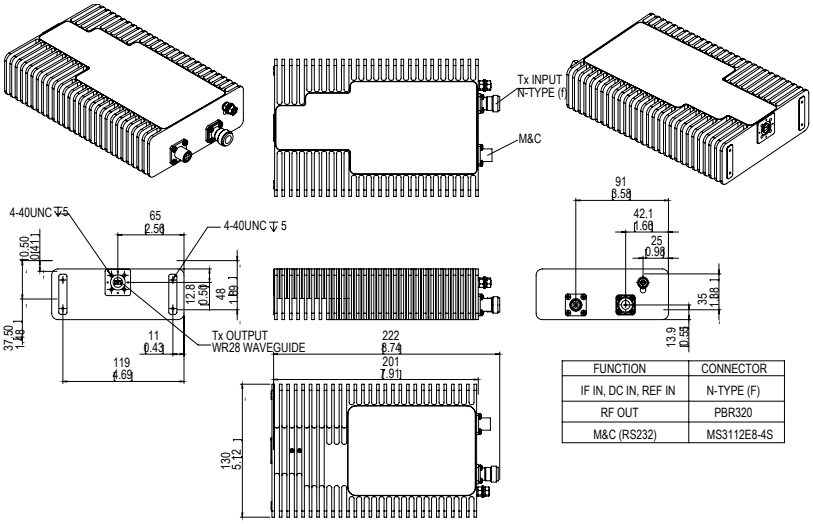
External reference level	-5 to +5 dBm
10 MHz external reference phase noise	-140 dBc/Hz at 1 kHz
Gain	55 dB
Gain stability over temperature	±2.0 dB at any constant frequency
Gain stability over operating temperature	±2.0 dB over full band
Temperature Range	-30°C to +60°C
OPTIONAL	
Monitor & Control	RS232 PLL Lock Tx on/off

HOW TO ORDER

7020STCN-MC

- **OPTIONAL M&C**
- **CONNECTOR** N - 50 Ohm
- **P1dB** 2W
- **TRANSMITTER SERIES #**

MECHANICAL DIAGRAM



FUNCTION	CONNECTOR
IF IN, DC IN, REF IN	N-TYPE (F)
RF OUT	PBR320
M&C (RS232)	MS3112E8-4S

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