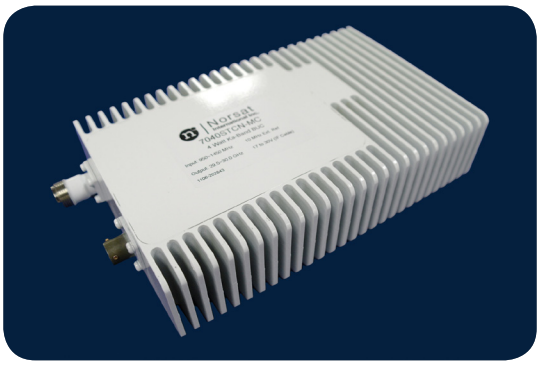
Norsat International Inc.

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

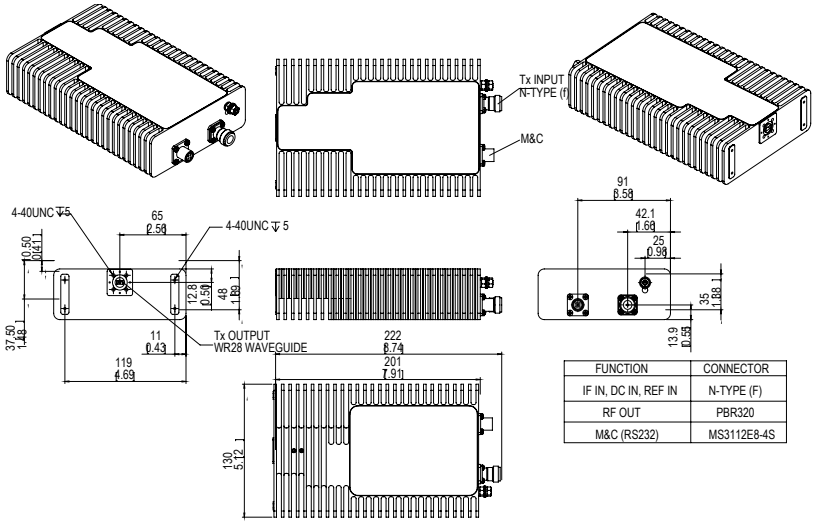
External reference level	-5 to +5 dBm
10 MHz external reference phase noise	-140 dBc/Hz at 1 kHz
Gain	55 dB
Gain stability over temperature	±2.0 dB at any constant frequency
Gain stability over operating temperature	±2.0 dB over full band
Temperature Range	-30°C to +60°C
OPTIONAL	
Monitor & Control	RS232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

Norsat International Inc.

Authorized Distributor: Servsat Communications, Inc.

© Copyright 2011 Norsat International Inc. All Rights Reserved. Specifications are subject to change without notice.
Final product may not be as illustrated. The information contained herein does not constitute part of any order or contract