



BUC

ELEMENT SERIES

C-BAND 20W

BUC-ELMTC020



NORSAT ELEMENT SERIES BUCS

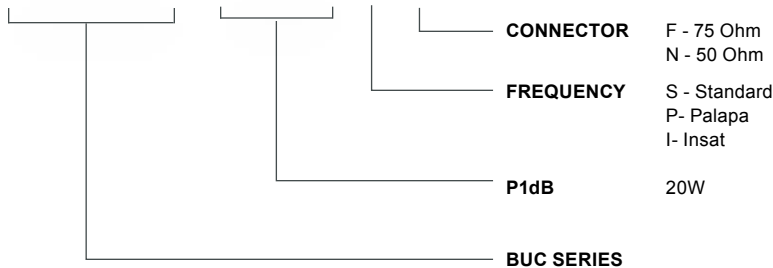
Norsat Satellite Communication solutions are renowned for their high quality, reliability, and innovation. The C Band ELEMENT series offers small size and weight with a variety of frequency options that make it ideal for VSAT applications.

FREQUENCY BANDS

Model	BUC-ELMTC020-S	BUC-ELMTC020-P	BUC-ELMTC020-I
Output frequency (Mhz)	5.850- 6.425 GHz	6.425- 6.725 GHz	6.725-7.025 GHz
L.O. frequency (GHz)	4.90 GHz	5.275 GHz	5.75 GHz
Input frequency (GHz)	950 – 1525 MHz	1150-1450 MHz	975-1275 MHz

HOW TO ORDER

BUC-ELMTC020-PN



C-BAND 20W BUC-ELMTC020

RF SPECIFICATIONS

Output Power (P1db)	43 dBm min
External Reference	10MHz
Reference Power Level	-5 dBm to +5dBm
Phase Noise (SSB)	-60 dBc/Hz at 100Hz -70 dBc/Hz at 1kHz -80 dBc/Hz at 10kHz -90 dBc/Hz at 100KHz
Linear gain	70 dB
Gain flatness	+/-4.0 dB p-p, max over full band +/- 1.5 dB p-p over 54MHz
Gain variation over temperature	-4.0 dB p-p over operating range
Output Spurious -In Band	-60 dBc
-Out Band	-50 dBc

INTERFACES

Input VSWR	2.0 : 1
Output VSWR	2.0 : 1
Input Connector	N: 50 Ω, F: 75 Ω
Output Connector	CPR137G

ENVIRONMENTAL & PHYSICAL

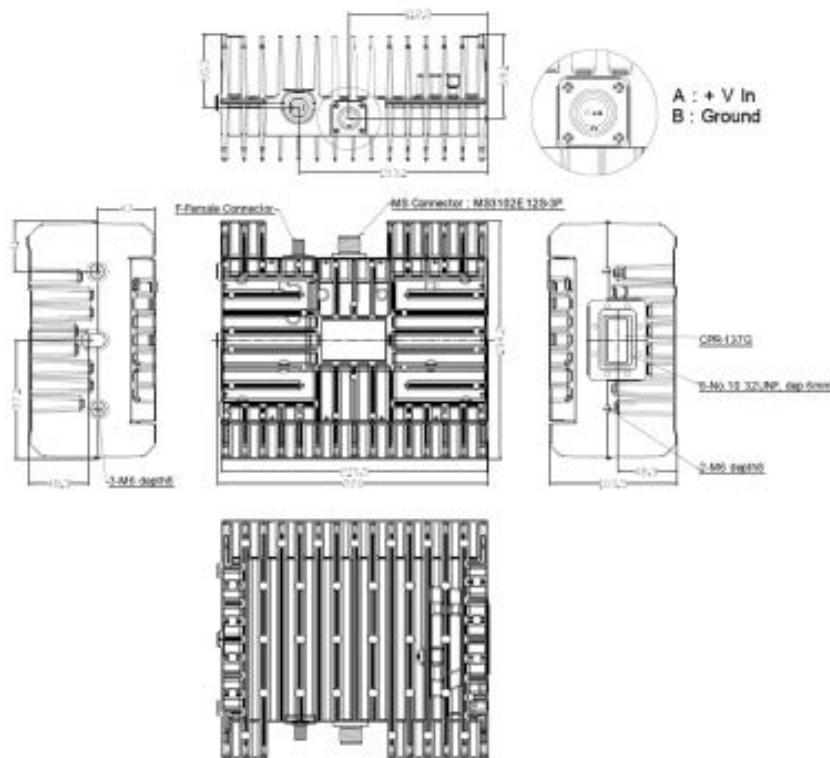
Temperature (operational)	-40 C to +55 C
Humidity (operational)	0 – 100% condensing
Dimensions (L x W x H)	
DC	220 x 195 x 136 mm (8.7 x 7.6 x 4.2 inches)
AC	220 x 195 x 181 mm (8.7 x 7.6 x 7.1 inches)
Weight	
DC	5 kg (11lbs)
AC	6kg (13lbs)
Enclosed Accessories	O-Ring (1 pc) Screws (4 pc)

POWER

Power requirements	+36 to +60 VDC over IFL
Power Consumption	180W max

* M&C optional

MECHANICAL DIAGRAM



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