



BUC ELEMENT SERIES C-BAND 5W BUC-ELMTC005



NORSAT ELEMENT SERIES BUCS

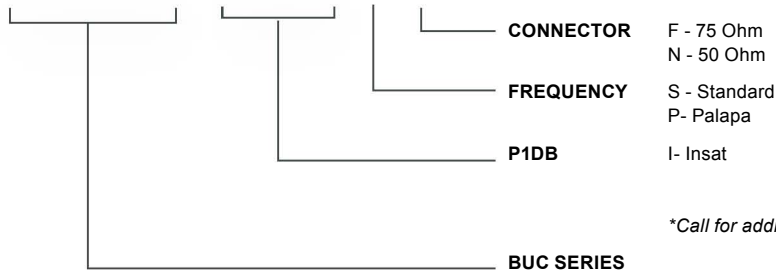
Norsat Satellite Communication solutions are renowned for their high quality, reliability, and innovation. The C Band ELEMENT series offers small size and weight with a variety of frequency options that make it ideal for VSAT applications.

FREQUENCY BANDS

Model	BUC-ELMTC005-S	BUC-ELMTC005-P	BUC-ELMTC005-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-ELMTC005-PN



*Call for additional options.



C-BAND 5W BUC-ELMTC005

RF SPECIFICATIONS

Output Power (P1db)	37 dBm min
External Reference	10MHz
Reference Power Level	-5 dBm to +5dBm
Phase Noise (SSB)	-65 dBc/Hz at 100Hz -75 dBc/Hz at 1kHz -85 dBc/Hz at 10kHz -95 dBc/Hz at 100KHz
Linear gain	61 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

ENVIRONMENTAL & PHYSICAL

Temperature (operational)	-40 C to +55 C
Humidity (operational)	0 – 100% condensing
Dimensions (L x W x H)	176 x 161.5 x 65 mm (16.9 x 6.4 x 2.6 inches)
Weight	1.8 kg (4.0 lbs)
Enclosed Accessories	O-Ring (1 pc) Screws (4 pc)

POWER

Power requirements	+15 to +24 VDC over IFL
Power Consumption	55W max

INTERFACES

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

MECHANICAL DIAGRAM

