



BUC

C-BAND 20 25 30 40W

ELMTBC

ELEMENT SERIES

SPECIFICATIONS



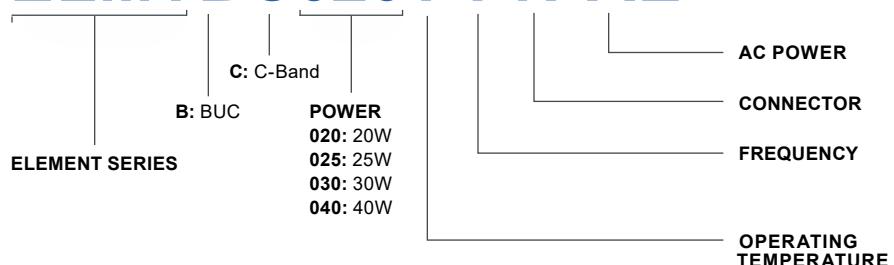
	ELMTBC020	ELMTBC025	ELMTBC030	ELMTBC040		ELMTBC020	ELMTBC025	ELMTBC030	ELMTBC040
Output Power (P1dB)	43 dBm min.	44 dBm min.	44.8 dBm min.	46 dBm min.	Input Voltage	+36 to +60V DC 85 to 265V AC			
Output Power (Psat)	43.5 dBm min.	44.5 dBm min.	45.5 dBm min.	46.5 dBm min.	Power Consumption	DC: 180W max. AC: 200W max.	DC: 200W max. AC: 220W max.	DC: 220W max. AC: 240W max.	DC: 280W max. AC: 300W max.
Phase Noise (SSB) typ.		-65 dBc/Hz at 100Hz -75 dBc/Hz at 1kHz -85 dBc/Hz at 10kHz -95 dBc/Hz at 100kHz			Input (waterproof)	Type F Connector (75 Ohm) Type N Connector (50 Ohm)			
Linear Gain	69 dB typ. 64 dB min. 74 dB max.	70 dB typ. 65 dB min. 75 dB max.	71 dB typ. 66 dB min. 76 dB max.	72 dB typ. 67 dB min. 77 dB max.	Output (waterproof)	CPR-137G			
Gain Flatness: Over Full Band Over Any 54 MHz Over Temperature		≤ 4.0 dB p-p (-5.0 for Wide) ≤ 1.5 dB p-p ≤ 4.0 dB p-p			Dimensions (L x W x H)	220 mm x 196 mm x 138 mm (8.66 in x 7.72 in x 5.43 in)			
Output Spurious: In-Band Out-of-Band		≤ -60 dBc (-55 dBc for Wide) ≤ -50 dBc			Weight	DC: 5.0kg (11.02 lb) AC: 6.0kg (13.23 lb)			
Input VSWR		2.0 : 1 max.			Operating Temperature	-40 to +55°C -40 to +60 °C			
Output VSWR		2.0 : 1 max.			Storage Temperature	-40 to +75°C			
					Humidity	0-100% condensing			
					External Ref Freq.	10 MHz (sine-wave), -5 to +5 dBm			
					Enclosed Accessories	Screws, Gasket			

FREQUENCY BANDS

	S: Standard	P: Palapa	I: Insat	W: Wide
Transmit Frequency (GHz)	5.850 - 6.425	6.425 - 6.725	6.725 - 7.025	5.850-6.725
L.O. Frequency (GHz)	4.90	5.275	5.75	4.90
IF Frequency (MHz)	950 - 1525	1150 - 1450	975 - 1275	950 - 1825

HOW TO ORDER

ELMTBC020T-PN-AE



BLANK: Opt-out
E: Ethernet
M: RS-232 & RS-485

A: AC Power option
D: DC Power option

F: Type F Connector (75 Ohm)
N: Type N Connector (50 Ohm)

S: Standard
P: Palapa
I: Insat
W: Wide

BLANK: -40 to +55 °C
T: -40 TO +60 °C

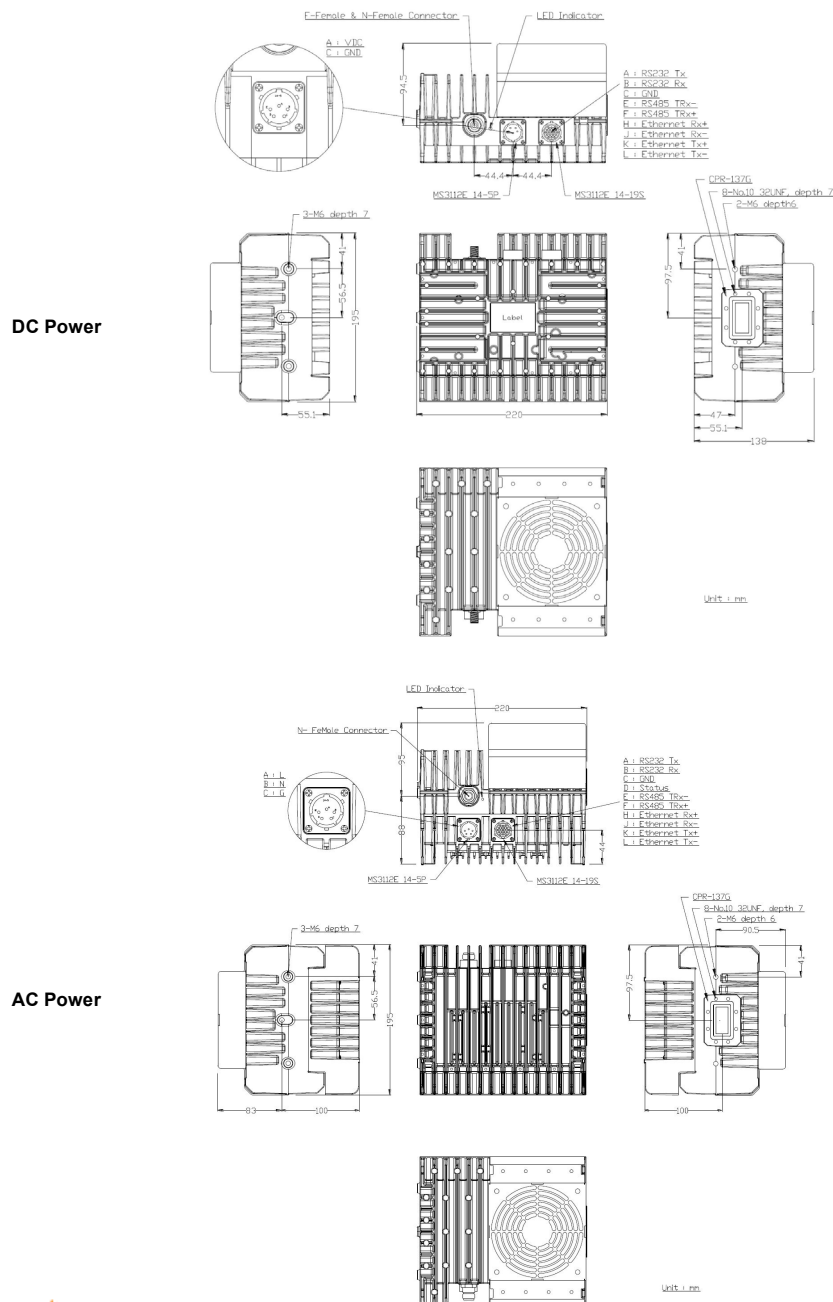


Norsat
International Inc.

Innovative Communication Solutions

C-BAND 20W 25W 30W 40W BUC: ELMTBC

MECHANICAL DIAGRAM



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