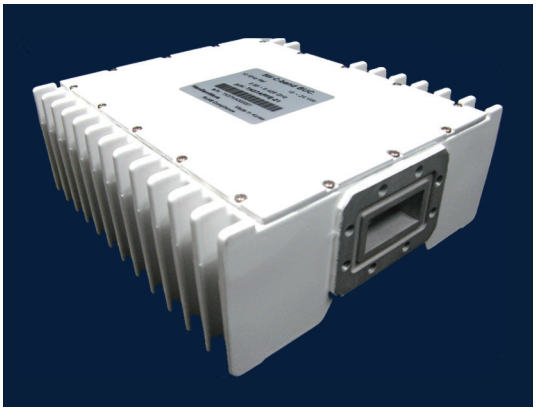
Norsat International Inc.

Innovative Communication Solutions

BUC
C-BAND 5W
ELMTBC005
ELEMENT SERIES



SPECIFICATIONS

Output Power (P1dB)		37 dBm min.
Output Power (Psat)		37.5 dBm min.
Phase Noise (SSB) max.		-60 dBc/Hz at 100 Hz -70 dBc/Hz at 1 kHz -80 dBc/Hz at 10 kHz -90 dBc/Hz at 100 kHz -100 dBc/Hz at 1 MHz
Linear Gain		61 dB typ., 56 dB min., 66 dB max.
Gain Flatness:	**Over Full Band**	≤ 4.0 dB p-p
	Over Any 54 MHz	≤ 1.5 dB p-p
	Over Temperature	≤ 4.0 dB p-p
Output Spurious:	**In-Band**	≤ -60 dBc
	Out-of-Band	≤ -50 dBc
Noise Power Density		-80 dBm/Hz in Tx -156 dBm/Hz in Rx
Input VSWR		2.0 : 1 max.
Output VSWR		2.0 : 1 max.

Input Voltage	+15V to +24V DC via IFL
Power Consumption	55W max.
Input (waterproof)	Type F Connector (75 Ohm) Type N Connector (50 Ohm)
Output (waterproof)	CPR-137G waveguide grooved
Dimensions (L x W x H)	176.1 mm x 161.5 mm x 65 mm (6.93 in x 6.35 in x 2.55 in)
Weight	1.8 kg (3.97 lb)
Operating Temperature	-40 to +55°C
Storage Temperature	-40 to +80°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**
Transmit Frequency (GHz)	5.850 - 6.425	6.425 - 6.725	6.725 - 7.025
L.O. Frequency (GHz)	4.90	5.275	5.75
IF Frequency (MHz)	950 - 1525	1150 - 1450	975 - 1275

HOW TO ORDER

ELMTBC005-PN

ELEMENT SERIES	**B:** BUC	
	C: C-Band	
POWER	**005:** 5W	
FREQUENCY	**S:** Standard	
	P: Palapa	
	I: Insat	
CONNECTOR	**F:** Type F Connector (75 Ohm)	
	N: Type N Connector (50 Ohm)	

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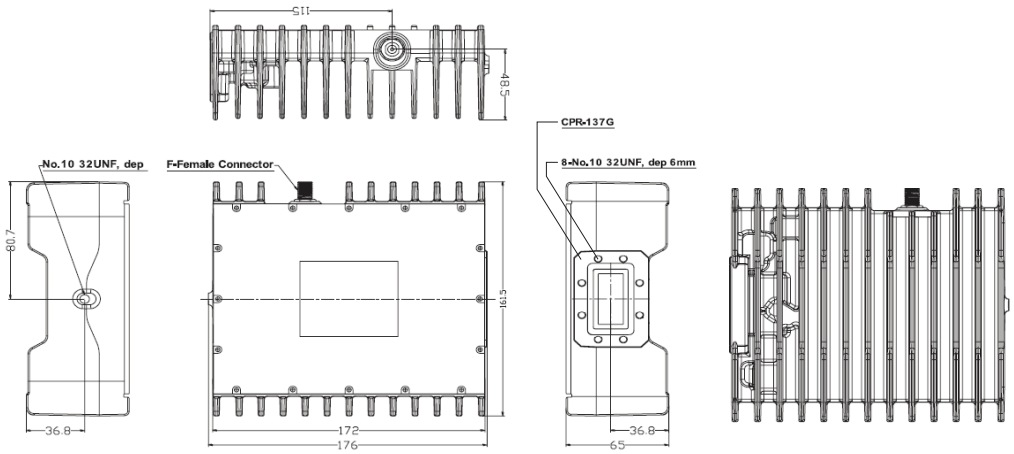
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PUB000541 Rev A

C-BAND 5W BUC: ELMTBC005

MECHANICAL DIAGRAM



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