



# BUC

## C-BAND 5W

### ELMTBC

#### ELEMENT SERIES

#### SPECIFICATIONS



<b>Output Power (P1dB)</b>	37 dBm min.	<b>Input Voltage</b>	+15 to +24V DC
<b>Output Power (Psat)</b>	47.5 dBm min.	<b>Power Consumption</b>	55W max.
<b>Phase Noise (SSB) max.</b>	-65 dBc/Hz at 100Hz -75 dBc/Hz at 1kHz -85 dBc/Hz at 10kHz -95 dBc/Hz at 100kHz	<b>Input (waterproof)</b>	Type F Connector (75 Ohm) Type N Connector (50 Ohm)
<b>Linear Gain</b>	61 dB typ., 56 dB min., 66 dB max.	<b>Output (waterproof)</b>	CPR-137G
<b>Gain Flatness:</b>		<b>Dimensions (L x W x H)</b>	176 mm x 161.5 mm x 65 mm (6.93 in x 6.36 in x 2.56 in)
<b>Over Full Band</b>	≤ 4.0 dB p-p (5 dB for Wide)	<b>Weight</b>	1.8 kg (3.97 lb)
<b>Over Any 40 MHz</b>	≤ 1.5 dB p-p	<b>Operating Temperature</b>	-40 to +55°C -40 to +60°C
<b>Over Temperature</b>	≤ 4.0 dB p-p	<b>Storage Temperature</b>	-40 to +75°C
<b>Output Spurious:</b>		<b>Humidity</b>	Up to 100% Condensing
<b>In-Band</b>	≤ -60 dBc (-55 dBc for Wide)	<b>External Ref Freq</b>	10 MHz (sine-wave), -5 to +5 dBm
<b>Out-of-Band</b>	≤ -50 dBc	<b>Enclosed Accessories</b>	Screws, Gasket
<b>Input VSWR</b>	2.0 : 1 max.	<b>Protection Rating</b>	IP67
<b>Output VSWR</b>	2.0 : 1 max.		

#### FREQUENCY BANDS

	<b>S: Standard</b>	<b>P: Palapa</b>	<b>I: Insat</b>	<b>W: Wide</b>	<b>E: Extended</b>
<b>Transmit Frequency (GHz)</b>	5.850 - 6.425	6.425 - 6.725	6.725 - 7.025	5.850 - 6.725	6.425 - 7.025
<b>L.O. Frequency (GHz)</b>	4.90	5.275	5.75	4.90	5.275
<b>IF Frequency (MHz)</b>	950 - 1525	1150 - 1450	975 - 1275	950 - 1825	1150 - 1750

#### HOW TO ORDER

## ELMTBC005T-PN





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## MECHANICAL DIAGRAM

