



# MINI BUC

## KU-BAND 6W

### ELMTBKU

#### ELEMENT SERIES

#### SPECIFICATIONS



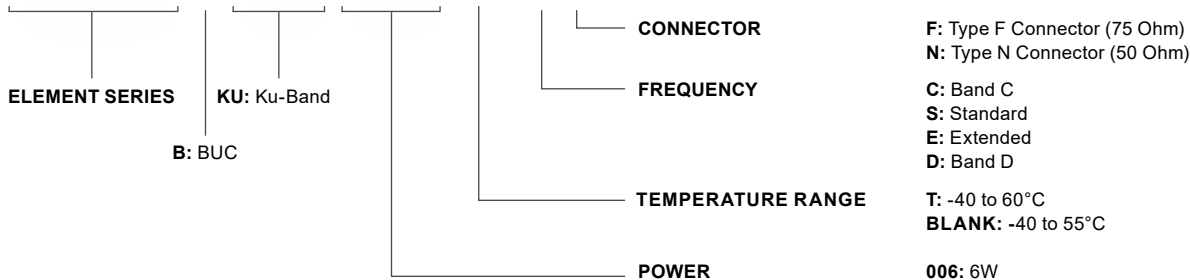
<b>Output Power (P1dB)</b>	37.8 dBm min.	<b>Input Voltage</b>	+15V to +30V DC via IFL
<b>Output Power (Psat)</b>	38.3 dBm min.	<b>Power Consumption</b>	48W max.
<b>Phase Noise (SSB) max.</b>	-60 dBc/Hz at 100Hz -70 dBc/Hz at 1kHz -80 dBc/Hz at 10kHz -90 dBc/Hz at 100kHz	<b>Input (waterproof)</b>	Type F Connector (75 Ohm) Type N Connector (50 Ohm)
<b>Linear Gain</b>	60 dB typ., 55 dB min., 65 dB max.	<b>Output (waterproof)</b>	WR-75 waveguide grooved
<b>Gain Flatness:</b>		<b>Dimensions (L x W x H)</b>	158.8 mm x 97.4 mm x 55 mm (6.25 in x 3.83in x 2.17 in)
<b>Over Full Band</b>	≤ 4.0 dB p-p	<b>Weight</b>	0.98 kg (2.16 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>Humidity</b>	0-100% condensing
<b>Output Spurious:</b>		<b>External Ref Freq</b>	10 MHz (sine-wave), -5 to +5 dBm
<b>In-Band</b>	≤ -60 dBc	<b>Enclosed Accessories</b>	Screws, Gasket
<b>Out-of-Band</b>	≤ -50 dBc		
<b>Input VSWR</b>	2.0 : 1 max.		
<b>Output VSWR</b>	2.0 : 1 max.		

#### FREQUENCY BANDS

	<b>C: Band C</b>	<b>S: Standard</b>	<b>E: Extended</b>	<b>D: Band D</b>
<b>Transmit Frequency (GHz)</b>	13.75 - 14.25	14.0 - 14.5	13.75 - 14.5	14.50 - 14.80
<b>L.O. Frequency (GHz)</b>	12.80	13.05	12.80	13.55
<b>IF Frequency (MHz)</b>	950 - 1450	950 - 1450	950 - 1700	950 - 1250

#### HOW TO ORDER

## ELMTBKU006T-EF





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## MECHANICAL DIAGRAM

