



# BUC

## KU-BAND 3W

### ELMTBKU003

#### ELEMENT SERIES



### SPECIFICATIONS

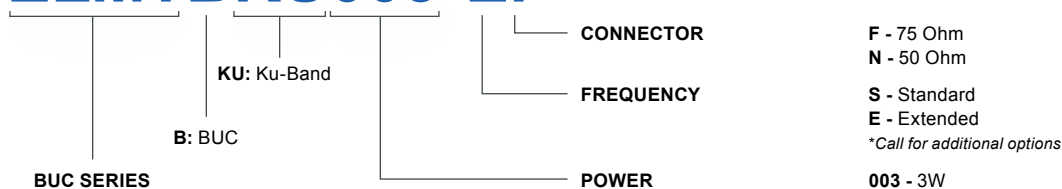
<b>Output Power (P1dB)</b>	34 dBm min.	<b>Input Voltage</b>	+ 15V to + 24V DC via IFL
<b>Output Power (Psat)</b>	34.3 dBm min.	<b>Power Consumption</b>	18W max.
<b>Phase Noise (SSB) max.</b>	-60 dBc/Hz at 100 Hz -70 dBc/Hz at 1 kHz -80 dBc/Hz at 10 kHz -90 dBc/Hz at 100 kHz -100 dBc/Hz at 1 MHz	<b>Input (waterproof)</b>	F-Connector (75 Ohm) N-Connector (50 Ohm)
<b>Linear Gain</b>	55 dB, typ. 50 dB min., 60 dB max.	<b>Output (waterproof)</b>	WR-75G waveguide grooved
<b>Gain Flatness:</b>		<b>M&amp;C Interface</b>	RS-232 & RS-422 RS-485 & Ethernet
<b>Over Full Band</b>	≤ 4.0 dB p-p	<b>Dimensions (L x W x H)</b>	128.4 mm x 95.1 mm x 58.3 mm (5.05 in x 3.74 in x 2.29 in)
<b>Over Any 54 MHz</b>	≤ 1.5 dB p-p	<b>Weight</b>	700 g (1.54 lb)
<b>Over Temperature</b>	≤ 4.0 dB p-p	<b>Operating Temperature</b>	-40 to +55°C
<b>Output Spurious:</b>		<b>Storage Temperature</b>	-40 to +80°C
<b>In-Band</b>	≤ -60 dBc	<b>Humidity</b>	0-100% condensing
<b>Out-of-Band</b>	≤ -50 dBc	<b>External Ref Freq</b>	10 MHz (sine-wave), -5 to +5 dBm
<b>Noise Power Density</b>	-80 dBm/Hz in Tx -156 dBm/Hz in Rx	<b>Enclosed Accessories</b>	Screws, Gasket
<b>Input VSWR</b>	2.0 : 1 max.		
<b>Output VSWR</b>	2.0 : 1 max.		

### FREQUENCY BANDS

	ELMTBKU003-S	ELMTBKU003-E
<b>Transmit Frequency (GHz)</b>	14.0 - 14.5	13.75 - 14.5
<b>L.O. Frequency (GHz)</b>	13.05	12.80
<b>IF Frequency (MHz)</b>	950 - 1450	950 - 1700

### HOW TO ORDER

## ELMTBKU003-EF





# KU-BAND 3W BUC: ELMTBKU003

## MECHANICAL DIAGRAM

