



# BUC GaN

## KU-BAND 8W 16W

### ELMTBKUG



### SPECIFICATIONS

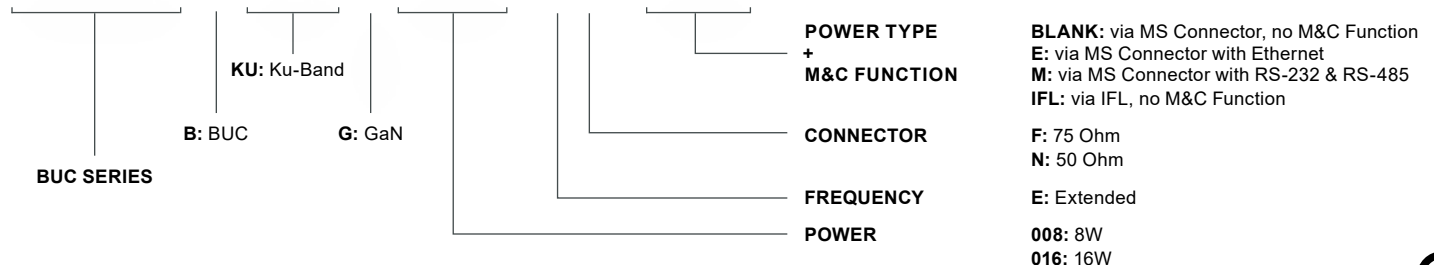
	ELMTBKUG008	ELMTBKUG016		ELMTBKUG008	ELMTBKUG016
<b>Output Power (dBm)</b>	39 dBm min.	42 dBm min.	<b>Input Voltage</b>	+18V to +60V DC	
<b>Output Power (Psat)</b>	37 dBm min.	40 dBm min.	<b>Power Consumption</b>	45W max.	70W max.
<b>Phase Noise (SSB) max.</b>	-65 dBc/Hz at 100 Hz -75 dBc/Hz at 1 kHz -85 dBc/Hz at 10 kHz -95 dBc/Hz at 100 kHz		<b>Input (waterproof)</b>	F-Connector (75 Ohm) N-Connector (50 Ohm)	
<b>Linear Gain</b>	65 dB typ.	68 dB typ.	<b>Output (waterproof)</b>	WR-75G waveguide grooved	
<b>Gain Flatness:</b>			<b>M&amp;C Function (Optional)</b>	RS-485, RS-232, or Ethernet (SNMP)	
<b>Over Full Band</b>	≤ 4.0 dB p-p		<b>Dimensions (L x W x H)</b>	143 mm x 80 mm x 38 mm (5.63 in x 3.15 in x 1.50 in)	
<b>Over 54 MHz</b>	≤ 1.5 dB p-p		<b>Weight</b>	750 g	
<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>	Up to 100% / IP67	
<b>Out-of-Band</b>	≤ -50 dBc		<b>External Ref Freq</b>	10 MHz (sine-wave), -5 to +5 dBm	
<b>Input VSWR</b>	2.0 : 1 max.		<b>Enclosed Accessories</b>	Screws, Gasket	
<b>Output VSWR</b>	2.0 : 1 max.				

### FREQUENCY BANDS

	E: Extended
<b>Transmit Frequency (GHz)</b>	13.75 - 14.5
<b>L.O. Frequency (GHz)</b>	12.80
<b>IF Frequency (MHz)</b>	950 - 1700

### HOW TO ORDER

## ELMTBKUG008-EF-IFL





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## MECHANICAL DIAGRAM

