



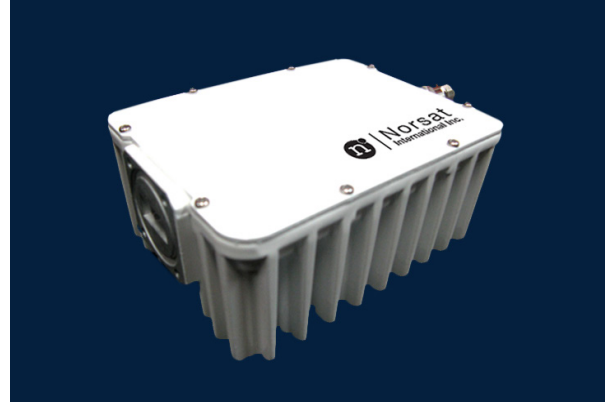
# BUC

## KU-BAND 2W 3W 4W

### ELMTBKU

#### ELEMENT SERIES

#### SPECIFICATIONS



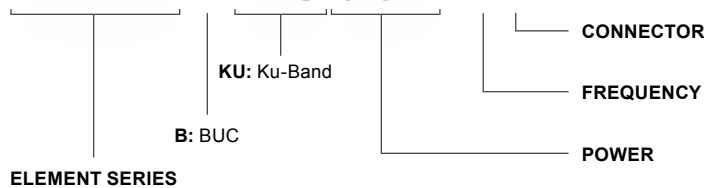
	ELMTBKU002	ELMTBKU003	ELMTBKU004		ELMTBKU002	ELMTBKU003	ELMTBKU004
<b>Output Power (P1dB)</b>	33 dBm min.	34 dBm min.	36 dBm min.	<b>Input Voltage</b>	+15V to +24V DC via IFL		
<b>Output Power (Psat)</b>	33.5 dBm min.	34.3 dBm min.	36.5 dBm min.	<b>Power Consumption</b>	18W max.	18W max.	35W max.
<b>Phase Noise (SSB) max.</b>		-60 dBc/Hz at 100Hz -70 dBc/Hz at 1kHz -80 dBc/Hz at 10kHz -90 dBc/Hz at 100kHz -100 dBc/Hz at 1MHz		<b>Input (waterproof)</b>	Type F Connector (75 Ohm) Type N Connector (50 Ohm)		
<b>Linear Gain</b>	55 dB typ., 50 dB min., 60 dB max.			<b>Output (waterproof)</b>	WR-75 waveguide grooved		
<b>Gain Flatness:</b>	<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 40 MHz</b>	≤ 1.5 dB p-p		<b>Weight</b>	700g (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>In-Band</b>	≤ -60 dBc		<b>Storage Temperature</b>	-40 to +80°C		
	<b>Out-of-Band</b>	≤ -50 dBc		<b>Humidity</b>	0-100% condensing		
<b>Noise Power Density</b>		-80 dBm/Hz in Tx -156 dBm/Hz in Rx		<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

	S: Standard	E: Extended
<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

# ELMTBKU002-EF



F: Type F Connector (75 Ohm)  
N: Type N Connector (50 Ohm)

S: Standard  
E: Extended

002: 2W  
003: 3W  
004: 4W

Request A Quote



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## MECHANICAL DIAGRAM

