



MINI BUC

KU-BAND 16W 20W 25W

ELMTBKU

ELEMENT SERIES

SPECIFICATIONS



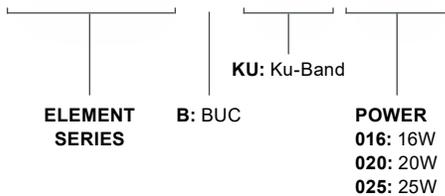
	ELMTBKU016	ELMTBKU020	ELMTBKU025		ELMTBKU016	ELMTBKU020	ELMTBKU025
Output Power (P1dB)	42 dBm min.	43 dBm min.	44 dBm min.	Input Voltage	+36V to +60V DC		
Output Power (Psat)	42.5 dBm min.	43.5 dBm min.	44.5 dBm min.	Power Consumption	180W max.	180W max.	200W max.
Phase Noise (SSB) typ.		-65 dBc/Hz at 100Hz -75 dBc/Hz at 1kHz -85 dBc/Hz at 10kHz -95 dBc/Hz at 100kHz		Band A:	185W max.	190W max.	230W max.
Linear Gain	68 dB typ. 63 dB min. 73 dB max.	68 dB typ. 63 dB min. 73 dB max.	70 dB typ. 65 dB min. 75 dB max.	Input (waterproof)	Type F Connector (75 Ohm) Type N Connector (50 Ohm)		
Gain Flatness:	Over Full Band Over Any 40 MHz Over Temperature	≤ 4.0 dB p-p ≤ 1.5 dB p-p ≤ 4.0 dB p-p		Output (waterproof)	WR-75 waveguide grooved		
Output Spurious:	In-Band Out-of-Band	≤ -60 dBc ≤ -50 dBc		Dimensions (L x W x H)	170 mm x 120 mm x 110 mm (6.69 in x 4.72 in x 4.33 in)		
Input VSWR		2.0 : 1 max.		Weight	2.37 kg (5.22 lb)		
Output VSWR		2.0 : 1 max.		Operating Temperature	-40 to +55°C -40 to +60 °C		
				Storage Temperature	-40 to +75°C		
				Humidity	0-100% condensing		
				External Ref Freq	10 MHz (sine-wave), -5 to +5 dBm		
				Enclosed Accessories	Screws, Gasket		

FREQUENCY BANDS

	A: Band A	S: Standard	E: Extended	D: Band D
Transmit Frequency (GHz)	12.75 - 13.25	14.0 - 14.5	13.75 - 14.5	14.50 - 14.80
L.O. Frequency (GHz)	11.80	13.05	12.80	13.55
IF Frequency (MHz)	950 - 1450	950 - 1450	950 - 1700	950 - 1250

HOW TO ORDER

ELMTBKU016T-EF-IFL



POWER TYPE + M&C FUNCTION

CONNECTOR

FREQUENCY

OPERATING TEMPERATURE

BLANK: via MS Connector, no M&C Function
E: via MS Connector with Ethernet
M: via MS Connector with RS-232 & RS-485
IFL: via IFL, no M&C Function

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

A: Band A
S: Standard
E: Extended
D: Band D

BLANK: -40 to +55 °C
T: -40 to +60 °C



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MECHANICAL DIAGRAM

