



BUC

KA-BAND 7W

ELMTBKA007

ELEMENT SERIES



SPECIFICATIONS

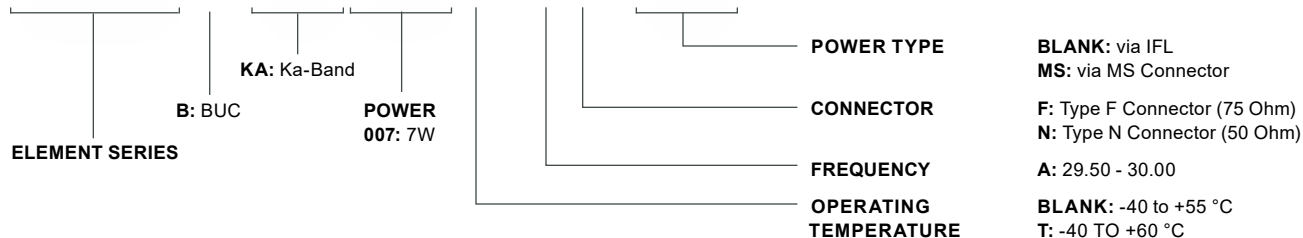
Output Power (P1dB)	+38.5 dBm min.	Input Voltage	+36 to +60VDC
Output Power (Psat):	+39 dBm min.	Power Consumption	130W max.
Phase Noise (SSB) typ.	-65 dBc/Hz at 100 Hz -75 dBc/Hz at 1 kHz -85 dBc/Hz at 10 kHz -95 dBc/Hz at 100 kHz	Input (waterproof)	Type F Connector (75 Ohm) Type N Connector (50 Ohm)
Linear Gain	65 dB typ., 60 dB min., 70 dB max.	Output	WR-28 waveguide grooved
Gain Flatness:	Over Full Band ≤ 4.0 dB p-p Over Any 40 MHz ≤ 4.0 dB p-p Over Temperature ≤ 3.0 dB p-p	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)
Output Spurious:	In-Band ≤ -60 dBc Out-of-Band ≤ -60 dBc	Weight	2.37 kg (5.22 lb)
Noise Power Density	-70 dBm/Hz in Tx -157 dBm/Hz in Rx	Operating Temperature	-40 to +55°C -40 to +60 °C
Input VSWR	2.0 : 1 max.	Storage Temperature	-40 to +75°C
Output VSWR	2.0 : 1 max.	Humidity	0-100% condensing
		External Ref Freq	10 MHz (sine-wave), -5 to +5 dBm
		Enclosed Accessories	Screws, Gasket
		Protection Rating	IP54

FREQUENCY BANDS

Transmit Frequency (GHz)	29.50 - 30.0
L.O. Frequency (GHz)	28.55
IF Frequency (MHz)	950 - 1450

HOW TO ORDER

ELMTBKA007T-AF-MS





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MECHANICAL DIAGRAM

