



ELMT-100040

ELEMENT 8W Ku-Band MINIBUC

Frequency: A: 12.75 - 13.25 GHz

Input Connector: N-Connector

Input Voltage + M&C

+18V to +60V DC via

Function:

IFL



KEY SPECIFICATIONS

Band	Ku-Band
External Ref Freq	10 MHz (sine-wave), - 5 to +5 dBm
Input Frequency Band 1	950 - 1700 MHz
LO Frequency 1	11.80 GHz
Output Frequency Band 1	12.75 - 13.50 GHz
Output Power Rated	8W

RF SPECIFICATIONS

Gain Flatness (54mhz)	≤ 1.5 dB p-p
Gain Flatness (over Full Band)	≤ 5 dB p-p
Gain Flatness (over Temperature)	≤ 5 dB p-p
Input VSWR	2.0 : 1
Linear Gain Typ	65 dB
Output P1db	+39 dBm min.
Output Spurious In Band	≤ -60 dBc
Output Spurious Out Of Band	≤ -50 dBc
Output VSWR	2.0 : 1
Phase Noise 0.1khz Offset Typ	-65 dBc/Hz
Phase Noise 1khz Offset Typ	-75 dBc/Hz
Phase Noise 10khz Offset Typ	-85 dBc/Hz
Phase Noise 100khz Offset Typ	-95 dBc/Hz

ELECTRICAL SPECIFICATIONS

Input Power	via IFL
Power Consumption	75W max.
Power Requirements	+18 to +60V DC

INTERFACE SPECIFICATIONS

IF Connector	N-Connector
Output Connector	WR-75 waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

Humidity	Up to 100%
IP Rating	IP 67
Temperature Operational	-40°C to +55°C

PHYSICAL SPECIFICATIONS

Enclosed Accessories	Screws, Gasket
Internal Function	Lock detector shuts off Tx in case of LO unlocked
Product Height	101 mm
Product Length	175.9 mm
Product Weight	2.7 kg
Product Width	169 mm

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8543700000	Made in the Republic of Korea	Korea	EAR99	4.0 kg

MECHANICAL DIAGRAMS

