



4509AF

4000A Ku-Band Single Band PLL LNB

L.O Stability: 5: ± 500 kHz

Noise Figure: 0.9 dB

Output Connector: F: 75 Ohm



KEY SPECIFICATIONS

Band	Ku-Band
Input Frequency Band 1	11.70 - 12.20 GHz
LO Frequency 1	10.75 GHz
LO Stability	± 500 kHz
LO Type	PLL
Noise Figure Max	1.0 dB
Noise Figure Typ	0.9 dB
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 1450 MHz

RF SPECIFICATIONS

Conversion Gain Max	70 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	≤ 4 dB p-p max.
Input VSWR	2.5 : 1 max.
Output P1db	+ 2 dBm min.
Output VSWR	2.5 : 1 max.
Phase Noise 1khz Offset Max	-70 dBc/Hz
Phase Noise 10khz Offset Max	-80 dBc/Hz
Phase Noise 100khz Offset Max	-90 dBc/Hz

ELECTRICAL SPECIFICATIONS

Current Consumption	300 mA max.
Power Requirements	+15 to +24V DC

INTERFACE SPECIFICATIONS



IF Connector	F-Connector
RF Input Connector	WR-75 waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

IP Rating	IP 67
Temperature Operational	-40°C to +60°C
Temperature Storage	-40 to +80°C

PHYSICAL SPECIFICATIONS

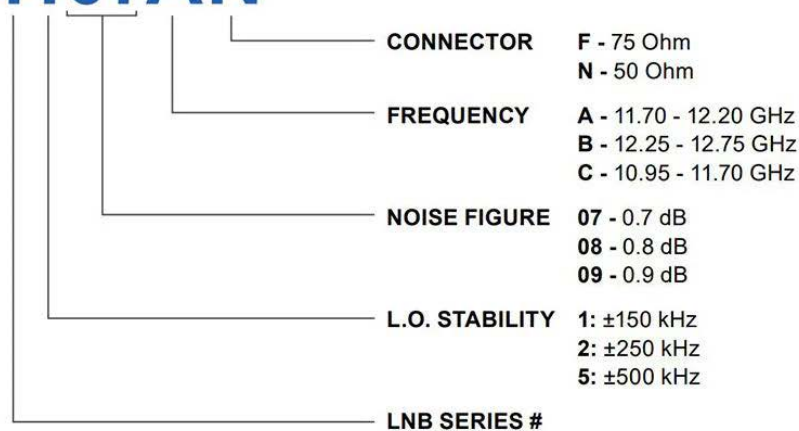
Product Height	43 mm
Product Length	85 mm
Product Weight	0.2 kg
Product Width	43 mm

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in the Republic of Korea	Richmond, BC, Canada	EAR99	110 x 55 x 50 mm 0.2 kg

HOW TO ORDER

4107AN

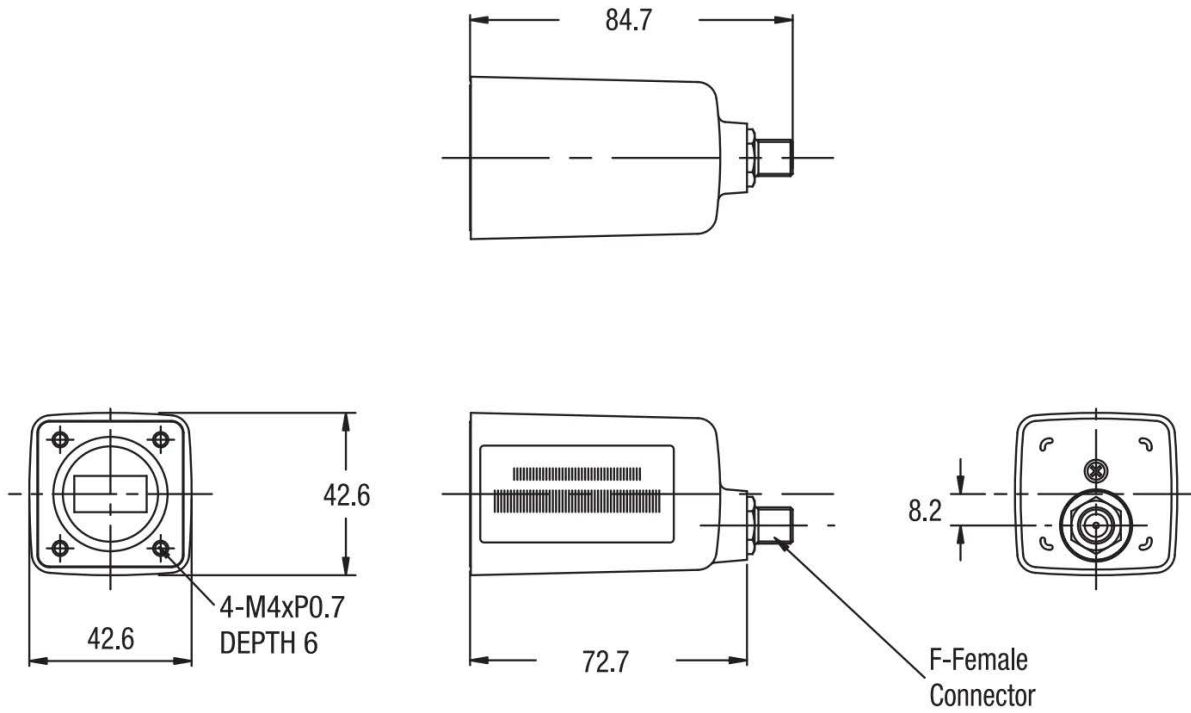


MECHANICAL DIAGRAMS



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