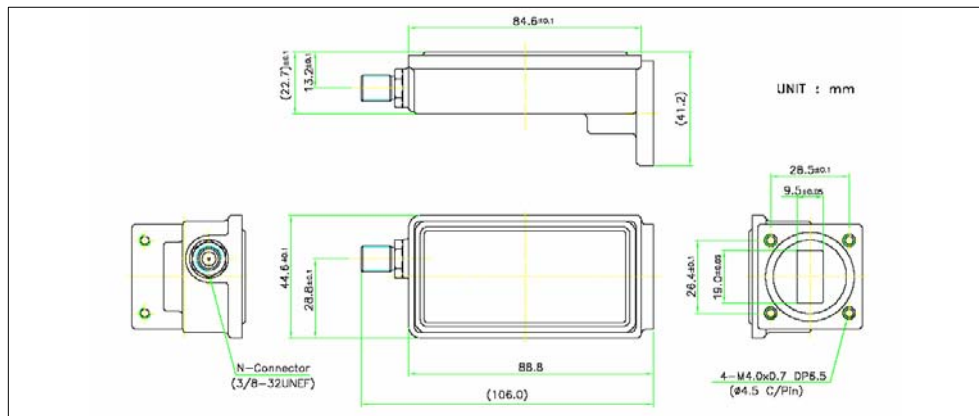


Ku-Band DRO LNB Applications

SM-600 Series

Outline Drawing



Model No & Frequency, Stability

Model No	Input (GHz)	Output (MHz)	L.O & Stability (Over Temp.)
SM-610	10.7 - 11.8	950 - 2050	9.75 GHz +/- 500 KHz
SM-620	10.95 - 11.7	950 - 1700	10.0 GHz +/- 500 KHz
SM-640	11.7 - 12.2	950 - 1450	10.75 GHz +/- 500 KHz
SM-649	11.7 - 12.75	950 - 2000	10.75 GHz +/- 500 KHz
SM-650	12.25 - 12.75	1050 - 1550	11.2 GHz +/- 500 KHz
SM-660	12.2 - 12.7	950 - 1450	11.25 GHz +/- 500 KHz
SM-670	12.25 - 12.75	950 - 1450	11.3 GHz +/- 500 KHz

Specifications

Parameter	Specification
Noise figure (@ +25°C)	0.9 dB max.
Input VSWR	2.5 : 1 max.
Image rejection	45 dBc min.
Conversion gain	60 dB typ.
Output VSWR	2.5 : 1 max.
Gain flatness	4 dBp-p max.
Gain ripple (@per channel)	+/- 0.75 dB max.
1dB gain compression point	5 dBm min.
Output impedance	75 ohms
Leakage (@ input port)	-45 dBm max.
Phase noise	-65 dBc/Hz (@1KHz) -80 dBc/Hz (@10KHz) -95 dBc/Hz (@100KHz)
Power supply	+12 to +24V DC
Required current	150 mA max.
Operating temperature	-40°C to +60°C
Storage temperature	-40°C to +80°C
Relative humidity	0% to 95% RH
Input waveguide flange	WR- 75
IF output connector	F-Type female
Weight	190 g



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