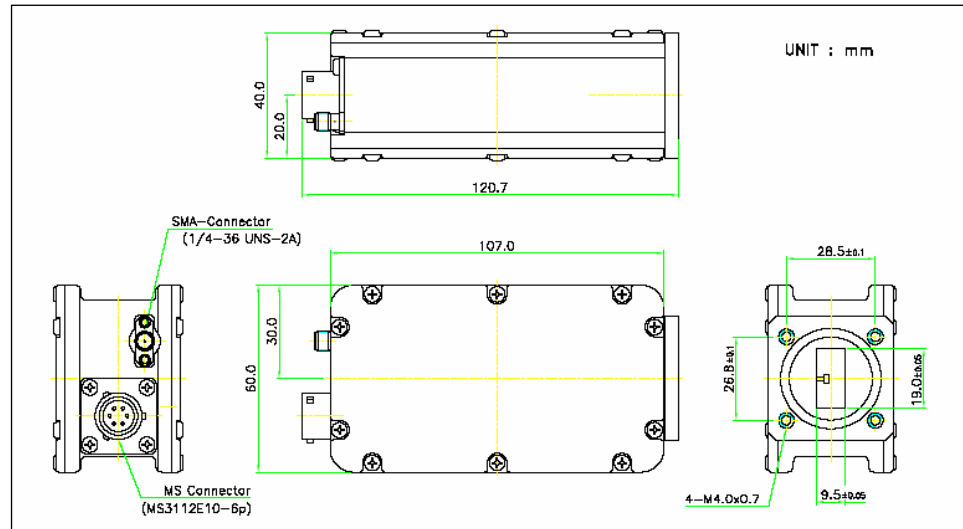


Ku-Band LNA Applications

SM-230 series

Outline Drawing



Model No & Frequency

Model No	Frequency range
SM-231	10.7 - 12.75 GHz
SM-232	10.7 - 11.7 GHz
SM-233	11.7 - 12.75 GHz

Specifications

Parameter	Specification
Noise figure (@+25°C)	1.0 dB max.
Input VSWR	2.2 : 1 max.
Conversion gain	50 dB typ.
Output VSWR	2.2 : 1 max.
Gain flatness	4 dBp-p max.
1dB gain compression point	+8 dBm min.
Output impedance	50 ohms
Power supply	+12 to +24V DC
Required current	150 mA max.
Power connector	MS3112E10-6P
Operating temperature	-30°C to +60°C
Storage temperature	-40°C to +80°C
Relative humidity	0% to 95% RH
Input waveguide flange	WR-75
Output connector	SMA type female
Weight	550 g



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