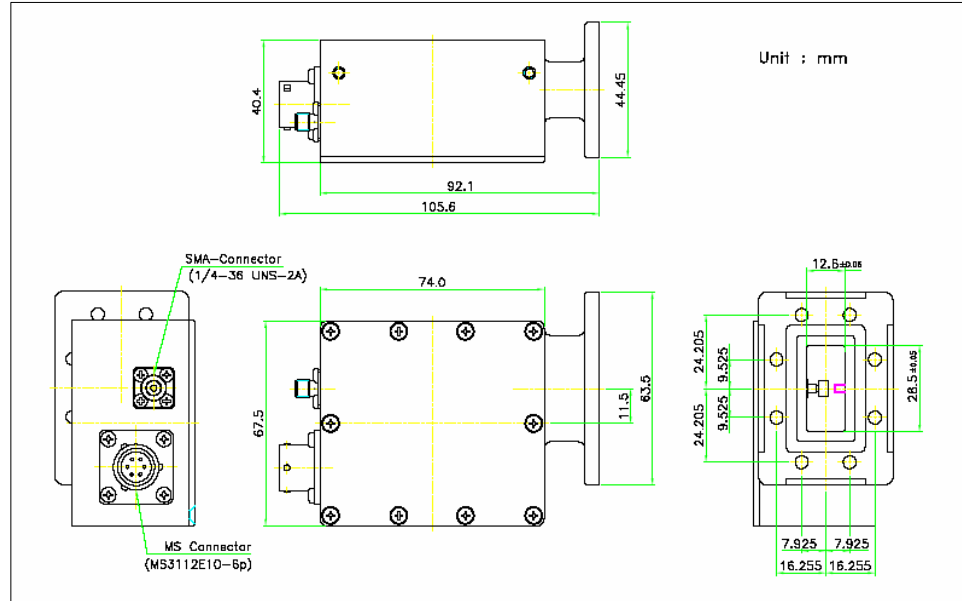


X-Band LNA Applications

SM-220

Outline Drawing



Model No & Frequency

Model No	Frequency range
SM-220	7.25 – 7.75 GHz

Specifications

Parameter	Specification
Noise figure (@+25'C)	0.8 dB max.
Input VSWR	1.5 : 1 max.
Conversion gain	50 dB typ.
Output VSWR	1.5 : 1 max.
Gain flatness	4 dBp-p max.
1dB gain compression point	+10 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-112
Output connector	SMA type female
Weight	550 g



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