



-7RF Antenna-

7RF-MX2-0001-GLJ1

(Draft Specification)



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I. Introduction.

7RF-MX2-0001 Series provide GNSS and LTE combination applications. 7RF combined two antenna element in diameter 84.6mm enclosure, total antenna height is 14.5mm. Antenna with RG174 cable for exciting, connector is fully customizable. Antenna mounting can be selected with double sided adhesive or magnetic mounted. Contact your local sales to get more product information.

II. Antenna Specification Table

Item		Specifications	
GPS Antenna	Dielectric Antenna	Frequency Range	1575.42 ± 3MHz
		Polarization	RHCP
		Gain	2dBic (Zenith)
		V.S.WR	<1.5
		Impedance	50Ω
	LNA	Gain	28±2dB
		Noise Figure	<2dB
		V.S.WR	<2.0
		Supply Voltage	3~5V DC
		Current Consumption	<20mA
LTE Antenna		Frequency Range	698~960MHz/1710~2690MHz
		V.S.WR	<3.0
		Polarization	Linear
		Gain	2.5dBi (Zenith)
		Impedance	50Ω

III. Mechanical Parameters & Environment Parameters

Mechanical	Cable	RG174
	Connector	SMA/FAKRA or others
	Material	ABS
	Mounting Method	Adhesive/Magnet
Environmental	Operating Temperature	-40℃~+85℃
	Relative Humidity	Up to 95%
	Ingress Protection	IP67
	Vibration	10 to 55Hz with 1.5mm amplitude 2hours
	Environmentally Friendly	ROHS Compliant



IV. Antenna Drawing

