

AMC-ANTJL1L2L5M01

GNSS L1/L2/L5 magnetic mount antenna



1. Electrical specifications

Dielectric	
Frequency	L1/L2/L5
Centre frequency	1170-1249/1575MHz
VSWR	1.5:1
Horizontal coverage angle	360°
Bandwidth	50MHz min. at -10dB
Impedance	50Ω
Peak gain	≥2dBi
Gain coverage	≥-4dBic at -90° ~ 90° (over 75% volume)
Power handling	1W
Polarisation	RHCP
LNA	
LNA gain (without cable)	38 ± 2dB typ.
Noise figure	≤1.5dB
Passband fluctuation	±2dB
VSWR	<2.0
DC voltage	3.0-3.5V
Current consumption	≤45mA



2. Mechanical specifications

Mounting type	Magnetic mount
Dimensions (mm)	50 x 50 x 18
Colour	Black
Cable type	RG174 standard (other cables available)
Cable length	3 metres standard (other lengths available)
Connector type	SMA male standard (other connectors available)
Substance compliance	RoHS

3. Environmental specifications

Operational temperature	-40°C ~ +85°C
Storage temperature	-45°C ~ +100°C
Vibration	Sine sweep 1g(0-p) 10 ~ 50 ~ 10Hz each axis
Humidity	95% ~ 100% RH
Weatherproof	100% waterproof



4. LNA test curve



