

GNSS ANTENNA, FAKRA-C BLUE, 5m RG174X-VW1 FLAME RETARDANT CABLE, 2.7-3.6 V - MAGNET + D/TAPE



ELECTRICAL SPECIFICATIONS

General	
Operating Frequency Range	1573MHz ~ 1610MHz
Bandwidth	35 MHz
VSWR	2.0 Max
Peak Gain	4 dBic Min.
Power Handling	1W
Polarization type	RHCP
Rated resistance	50Ω
Axial Ratio	<3dB

Version 1.2 – November 2019



021 555 8400



ELECTRICAL SPECIFICATIONS

Amplifier Module	
VSWR	2.0 Max.
Noise Figure	2 dB Max.
Gain (3.3V)	25dB @1573MHz, 26dB@1590MHz, 27dB@1610MHz Min.
Ellipticity of polarization,dB,at fr,1590MHz (Axial Ratio)	< 3dB
Along the axis	> 25 dB
At the angle of 30° from the axis	> 21 dB
At the angle of 80° from the axis	> 14 dB
Power supply Voltage	2.7 V to 3.6Vdc
Current consumption	12±3 mA
Rated resistance	50Ω
Environmental Specifications	
Working Temperature	-40°C < T < +85°C
Storage Temperature	-50°C < T < +95°C
Humidity	95%~100% RH
Mechanical	
Weight (Without Cable)	46 grams Max.
Size	50 X 50 X 17 mm
Cable	5M RG174X-VW1 Flame Retardant Cable per ECE R-118-03 specifications (ISO 6722-1: 2011 5.22)
Mounting Options	Magnetic base with 40x40mm double-sided tape included separately in packaging of each unit.
Housing Color	Black
Connector	FAKRA-C Blue

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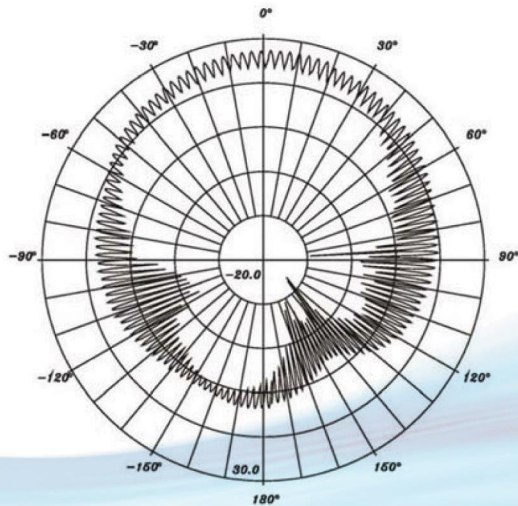
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GAIN PATTERN

1.573GHz

Gain: 25.5dB

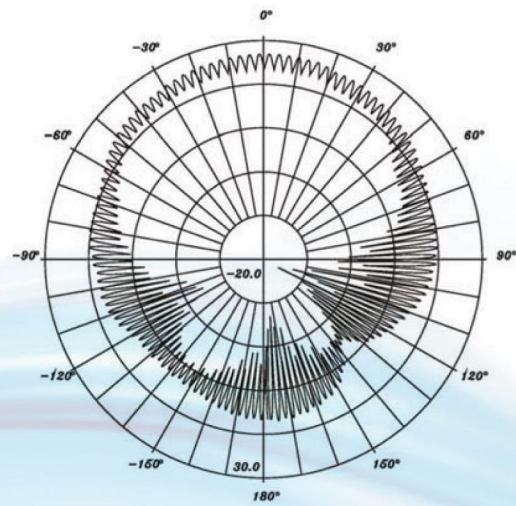
Ellipticity of polarization (AR): 2.91



1.590GHz

Gain: 26.8dB

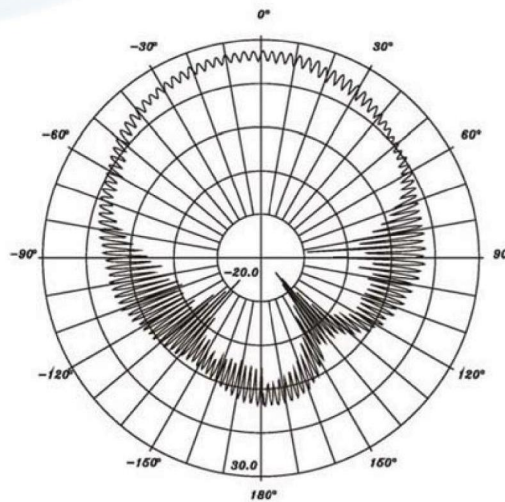
Ellipticity of polarization (AR): 2.78



1.610GHz

Gain: 27.1dB

Ellipticity of polarization (AR): 2.56



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