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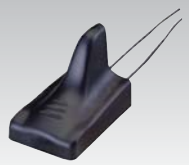
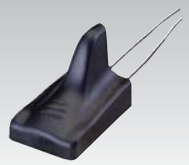
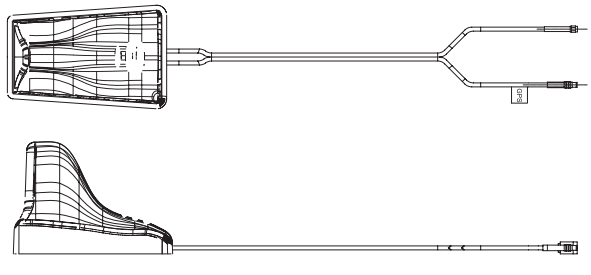
GPS/GSM or GPS/CDMA Active Antenna

Application		Automotive, recreational, marine, aviation, handheld system	
Product Name		GPS01F (GPS/GPRS)	GPS02F (GPS/CDMA)
Appearance		 RoHS	 RoHS
Specifications			
Mechanical	**Cable Type**	RG-174	RG-174
	Cable Length	5m	5m
	Mounting Method	Magnet / Twin Adhesive	Magnet / Twin Adhesive
	Connector Type	GPS/GPRS, MCX/SMA Plug	GPS/CDMA, MCX/SMA Plug
	Color	Black	Black
GPS Active Antenna			
Frequency Range (MHz)		1573.42~1577.42 MHz	1573.42~1577.42 MHz
V.S.W.R. (50Ω)		< 2.0	< 2.0
Antenna Gain (dBic)		3.0 dBic	3.0 dBic
Polarization		R.H.C.P.	R.H.C.P.
Impedance (Ω)		50	50
Axial Ratio (dBic)		≤3	≤3
Elevation Pattern		Hemispherical	Hemispherical
DC Voltage		3~5V	3~5V
DC Current		I=19±4 mA	I=19±4 mA
Amplifier Gain (dB)		V=5.0V ≥25 dBm, V=3.0V ≥24 dBm	V=5.0V ≥25 dBm, V=3.0V ≥24 dBm
Noise Figure		2.5 typ.	2.5 typ.
Testing Conditions		1. The patch Antenna gain is the gain at the feed point of the antenna, does not include the cable and the connector. 2. The measurement shall be taken on the specified ground plane.	
Cellular Antenna			
Frequency Range (MHz)		880~960MHz(GSM) 1710~1880MHz (DCS),1850~1990 MHz (PCS)	824~896 MHz, GSM850MHz, 1710~1880 MHz(DCS), 1850~1990 (PCS)
V.S.W.R. (50Ω)		< 2.5	< 3.0
Polarization		Vertical	Vertical
Peak Gain (dBi)		>2 dBi	>2 dBi
Azimuth Average Gain (dBi)		~1dBi	~1dBi
Azimuth Pattern		Omni-directional	Omni-directional
Power Handling (W)		>10	>10
Testing Conditions		1. All the measurement shall be taken on 30 cm diameter ground plane 2. The antenna gain is defined at the antenna feed point, not including the cable loss.	
Dimensions (mm)		83 x 52 x 61	
			

* All value are defined at 25±15°C, 65±20% RH, pwer handling 1u watt, air pressure 960 ±100 HPA unless otherwise noted.