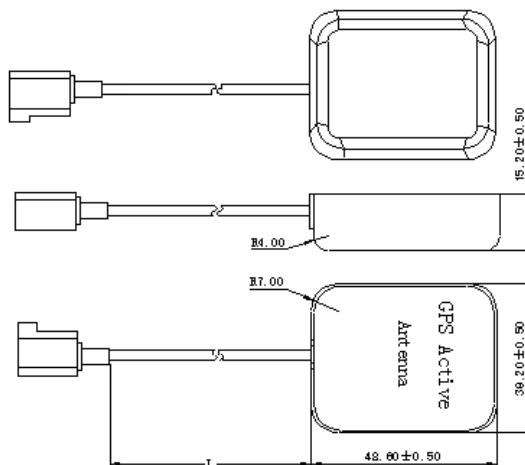


1575.42 MHz GPS Active Antenna with FAKRA Connector

Product Specifications¹: (at +25°C)

Testing Item	Test Condition	Min	Nom	Max	Unit
Antenna Specifications					
Center Frequency (Fo)			1575.42±1.02		MHz
Bandwidth		10			MHz
VSWR	1575.42 MHz		1.5:1		
Impedance			50		ohms
Gain	Based on 7x7 cm ground plane		5		dBic
Polarization			RHCP		
LNA Specifications					
Gain (G)	1575.42 MHz, Without cable		27		dB
Noise Figure (NF)	1575.42 MHz		1.5		dB
VSWR	1575.42 MHz		1.5:1		
DC Voltage		3		5	V
DC Current	@ 5V		15.5		mA
Environmental Specification					
Working Temperature		-25		+80	°C
Storage Temperature		-40		+85	°C
Vibration	Sine sweep (0-pk) 10~50~10 Hz each axis		1		g
Mechanical Specification					
Cable Length	RG174		5.0		meter
Connector			FAKRA (blue)		
Mounting			Magnetic		

Outline Drawing (in mm)



¹ Specifications are subject to change without notice

Ordering Information

Part Number	RANG001551G
--------------------	-------------

Richardson RFPD, Inc.
40W267 Keslinger Road
P.O. Box 307
LaFox, IL 60147
Telephone: (800) 737-6937
(630) 208-2700
Fax: (630) 208-2662
Internet: www.richardsonrfpd.com

IMPORTANT NOTICE

RICHARDSON RFPD, INC. AND ITS AFFILIATES RESERVE THE RIGHT TO MAKE CHANGES TO THE PRODUCT(S) OR INFORMATION CONTAINED HEREIN WITHOUT NOTICE. RICHARDSON RFPD, INC. ASSUMES NO RESPONSIBILITY FOR ANY ERRORS WHICH MAY APPEAR IN THIS DOCUMENT.

WARRANTY INFORMATION APPLICABLE TO THE PRODUCT IDENTIFIED HEREIN IS AVAILABLE UPON REQUEST. NOTHING CONTAINED HEREIN SHALL CONSTITUTE A WARRANTY, REPRESENTATION OR GUARANTEE OF ANY KIND. RICHARDSON RFPD, INC. EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS AND/OR IMPLIED INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY, AND OF FITNESS FOR A PARTICULAR PURPOSE, USE OR APPLICATION.

NO PART OF THIS DOCUMENT MAY BE COPIED OR REPRODUCED IN ANY FORM OR BY ANY MEANS WITHOUT THE PRIOR WRITTEN CONSENT OF RICHARDSON RFPD, INC.

WARNING

RICHARDSON RFPD, INC. PRODUCTS ARE NOT INTENDED FOR USE IN LIFE SUPPORT APPLIANCES, DEVICES OR SYSTEMS. USE OF A RICHARDSON RFPD, INC. PRODUCT IN ANY SUCH APPLICATION WITHOUT WRITTEN CONSENT IS PROHIBITED.