

1600 MHz GPS Patch Antenna

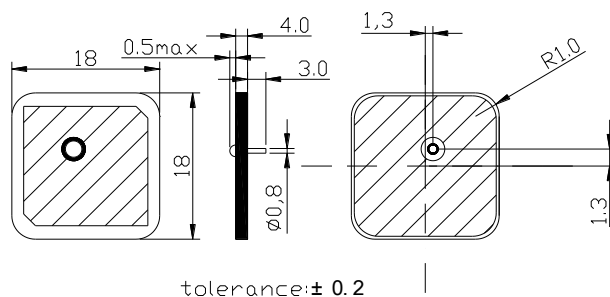
Key Features:

Center Frequency:	1600 MHz (+/-3 MHz)
Gain:	2.5 dBi
Reliability:	MTBF=1×10 ⁶ /pc.hr
Package Size:	18 x 18 x 4 mm

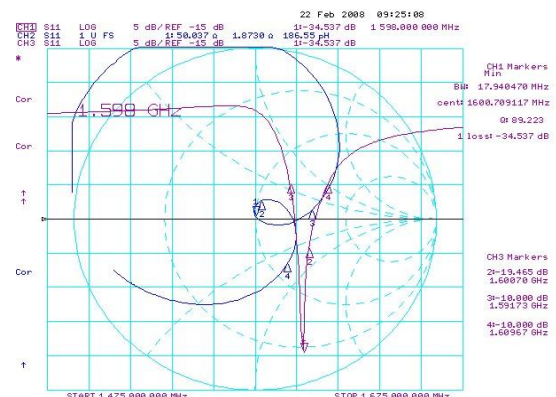
Electrical Specifications¹: (at +25°C)

Testing Item	Test Constraints	Min	Nom	Max	Unit
Center Frequency (Fo)	with 50x50 mm ground plane		1600		MHz
Frequency Bandwidth (BW)	Return loss ≤ -10dB	13			MHz
VSWR	at center frequency			1.5:1	
Gain (Zenith)	with 70x70 mm ground plane		2.5		dBi
Axial Ratio				5	dB
Polarization			RHCP		
Impedance			50		ohms
Frequency Temperature Coefficient			0±10		ppm/°C
Operating Temperature range		-40		+85	°C
Storage Temperature range		-40		+100	°C

Outline Drawing (in mm)



Characteristic curve



Ordering Information

Part Number	RANP1600A
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¹ Specifications subject to change without notice

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

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