

RANG181M44G

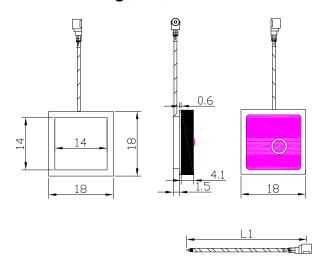
Advanced

1575.42 MHz GPS Active Antenna

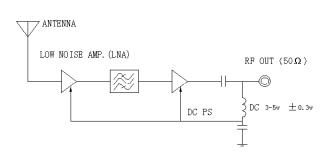
Product Specifications¹: (at +25 °C)

Testing Item	Test Condition	Min	Nom	Max	Unit
Antenna Specifications					•
Center Frequency (Fo)			1575.42±1.02		MHz
Bandwidth		5			MHz
VSWR	1575.42 MHz		1.5:1		
Impedance			50		ohms
Gain	Based on 7x7 cm ground plane		3		dBic
Polarization			RHCP		
LNA Specifications					
Gain (G)	1575.42 MHz, Without cable		27		dB
Noise Figure (NF)	1575.42 MHz		1.3		dB
VSWR	1575.42 MHz		1.5:1		
DC Voltage		3		5	V
DC Current	@3 V		11		mA
Environmental Specifica	ation				
Working Temperature		-40		+85	°C
Storage Temperature		-40		+85	°C
Vibration	Sine sweep (0-pk) 10~50~10 Hz each axis		1		g
Mechanical Specification	n				
Size			18x18x6.5		mm
PCB			FR4		
Shielding			Tin plate		
Cable Length	9851SC0032-002 φ1.13±0.1mm	·	25 (standard)		mm
Connector			I PEX		

Outline Drawing (in mm)



Block Diagram



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¹ Specifications are subject to change without notice.



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Ordering Information

Part Number	Description	
RANG181M44G-25	25mm cable (Standard)	
RANG181M44G-XXX	XXX mm cable	

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