## Active Multiband GNSS External Antenna

## AEACBA050018-SG3

#### Features

- High positioning accuracy
- GPS/GLONASS/BeiDou/Galileo band support
- IP67 Rated
- Gain of 5.0 dBic
- Active GNSS with integrated LNA
- High LNA gain of 34 dB
- Low VSWR of 1.5
- RHCP polarization
- Adhesive mounting
- Improved GNSS reliability

### Applications

GPS/GLONASS/BeiDou/Galileo applications

(Pb)

- IoT
- M2M
- Surveillance
- Fleet management and asset tracking
- Autonomous driving
- Telematics
- Agriculture
- Instrumentation
- Survey

### **Electrical Specifications**

Parameters	Min.	Тур.	Max.	Units	Note
Frequency Range		1561.098 ~ 1602		MHz	
VSWR			1.5		
Polarization	RHCP			Right Hand Circular Polarization	
Impedance		50		Ω	
Gain		5		dBic	@PCB Zenith
Axial Ratio			3	dB	

LNA Parameters	Min.	Тур.	Max.	Units	Note
Gain	32	34	36	dB	
VSWR			2.0		
Noise Figure			1.5	dB	
Supply Voltage		3~5		V	DC
Current Consumption			20	mA	

#### **Mechanical Characteristics**

Parameters	Description
Connector	SMA
Cable Type	RG174/3M
Mounting	Adhesive
Radom Material	ABS



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MSL = 1

50.0 x 50.0 x 18.0 mm

**RoHS/RoHS II Compliant** 

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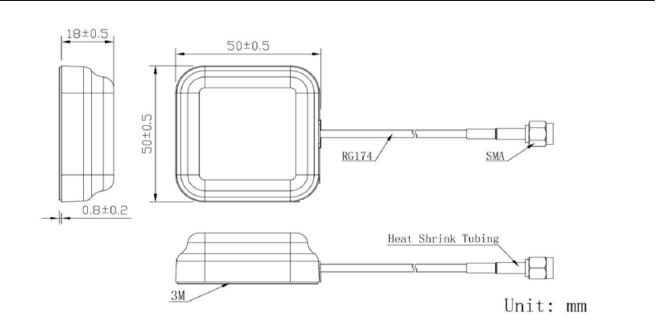
Pb R

50.0 x 50.0 x 18.0 mm RoHS/RoHS II Compliant MSL = 1

### **Environmental Characteristics**

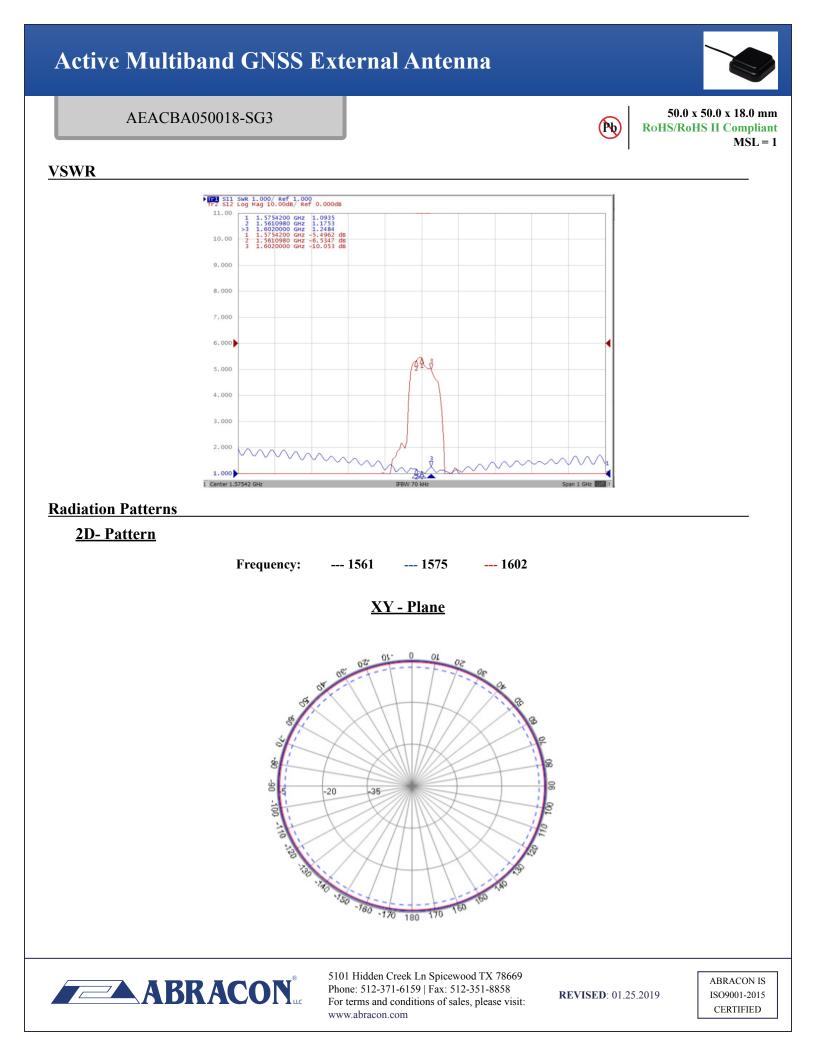
Parameters	Description
Ingress Protection	IP67 rated
Operating temperature	-40°C to +85°C
Relative Humidity	Up to 95 %
Vibration	10 to 55 Hz with 1.5 mm amplitude 2 hours

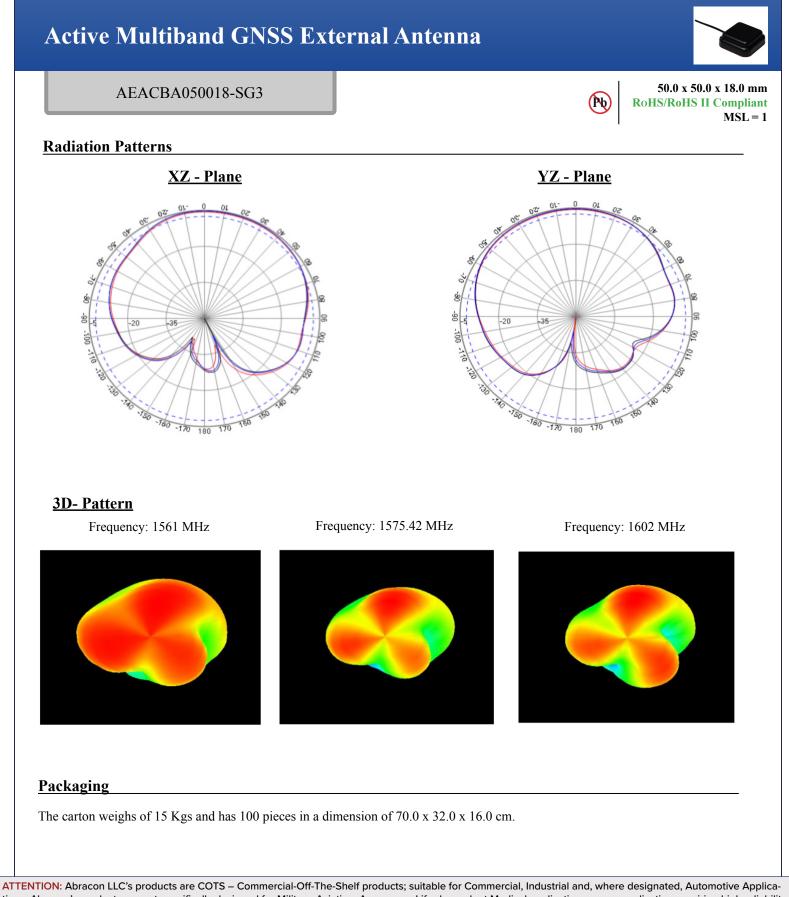
### Dimensions



### **Product Image**







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