ABRACON **GPS/GLONASS/Beidou Ceramic Patch Antenna** 3503G3 APARM3503-SG3 35.0 x 35.0 x 3.0 mm **RoHS/RoHS II Compliant** MSL = N/AFeatures **Applications** • Multiband GPS/GLONASS/Beidou/GNSS patch GPS/GLONASS/Galileo/Beidou applications • Low VSWR of 1.8 • IoT

- Gain of 4.0/3.0/4.5 dBi
- RHCP polarization
- 35.0 x 35.0 x 3.0 mm

- M2M
- Remote technology monitoring
- Geofencing
- Surveying and mapping systems
- Logistics

Electrical Characteristics

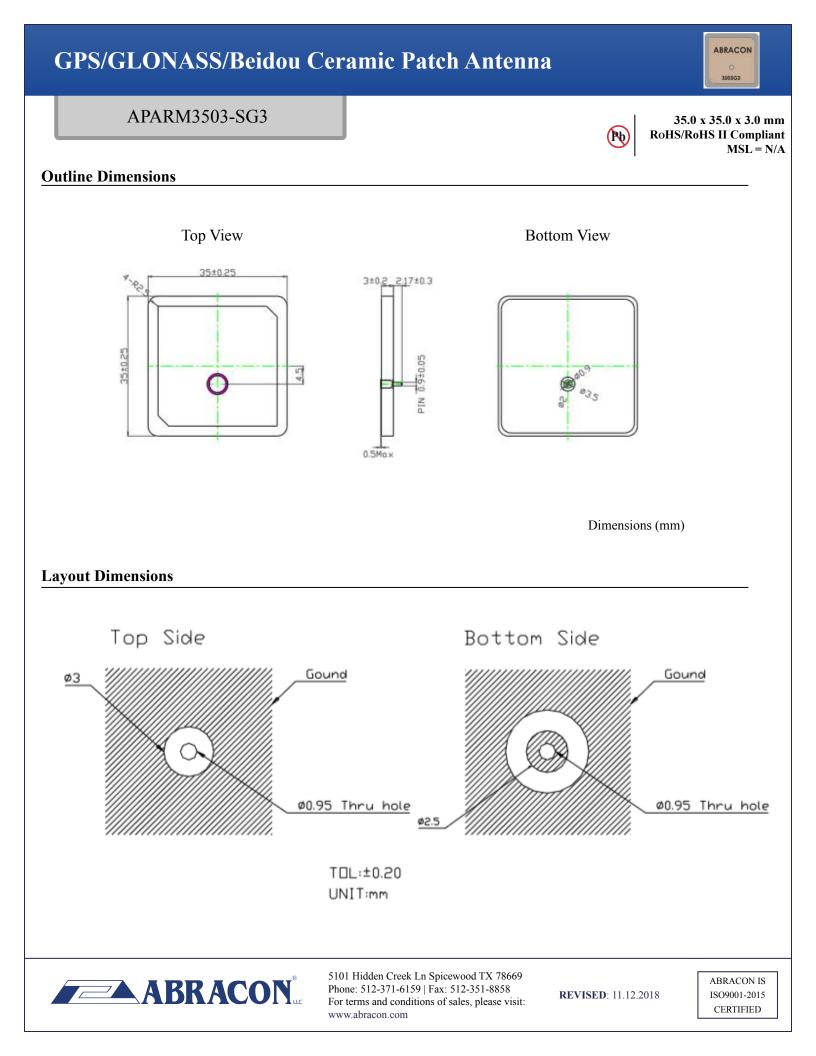
Item	Spec*/**			Comments
Receiving Frequencies (MHz)	1561.098±2.046	1575.42±1.023	1602±5.0	Beidou / GPS and GLONASS
Center Frequency	1598MHz ±6.0MHz			With 93.97×61.87mm GND Plane
VSWR	1.8 :1 max			At Center Frequency
Bandwidth	35MHz			Return Loss @ -10dB
Gain @ Zenith (dBi) Typical	+4.0 dBi	+3.0 dBi	+4.5 dBi	
Impedance	50 Ω			
Operating Temperature	$-40^{\circ}C \sim 105^{\circ}C$			
Frequency Temperature Coefficient	$-40^{\circ}C \sim 105^{\circ}C$			0±20ppm / °C

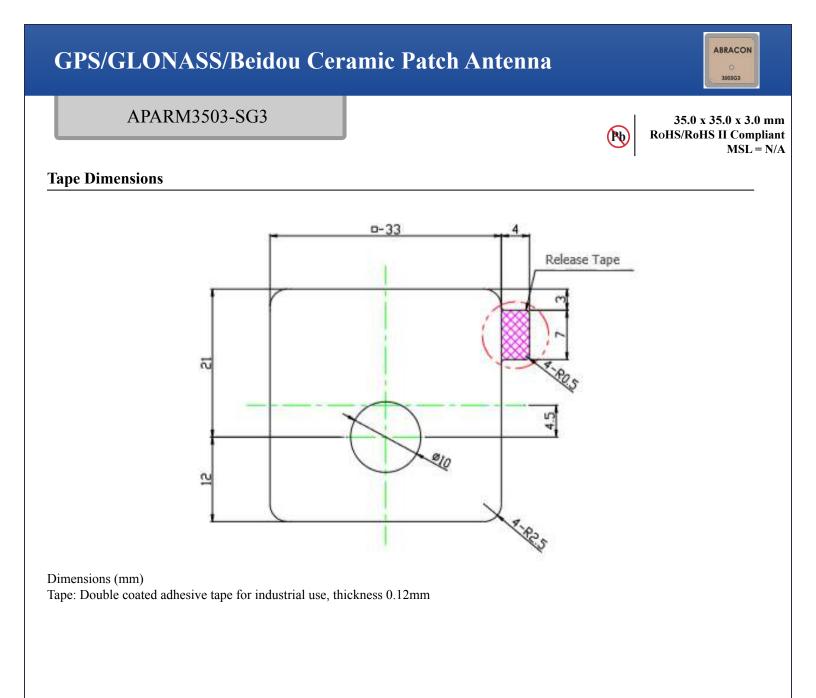
** The antenna has the electrical characteristics given in the Table in the temperature range of -40° C to $+105^{\circ}$ C and under the environmental conditions of +40°C and 0-95%r.h.



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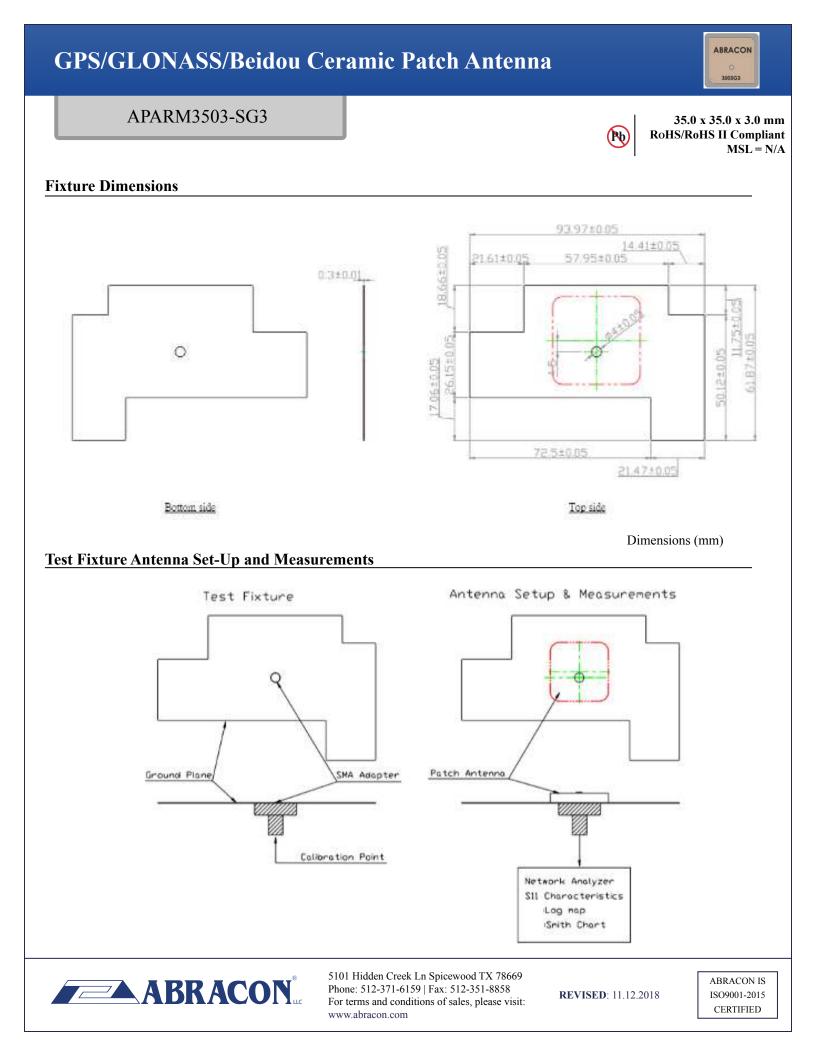


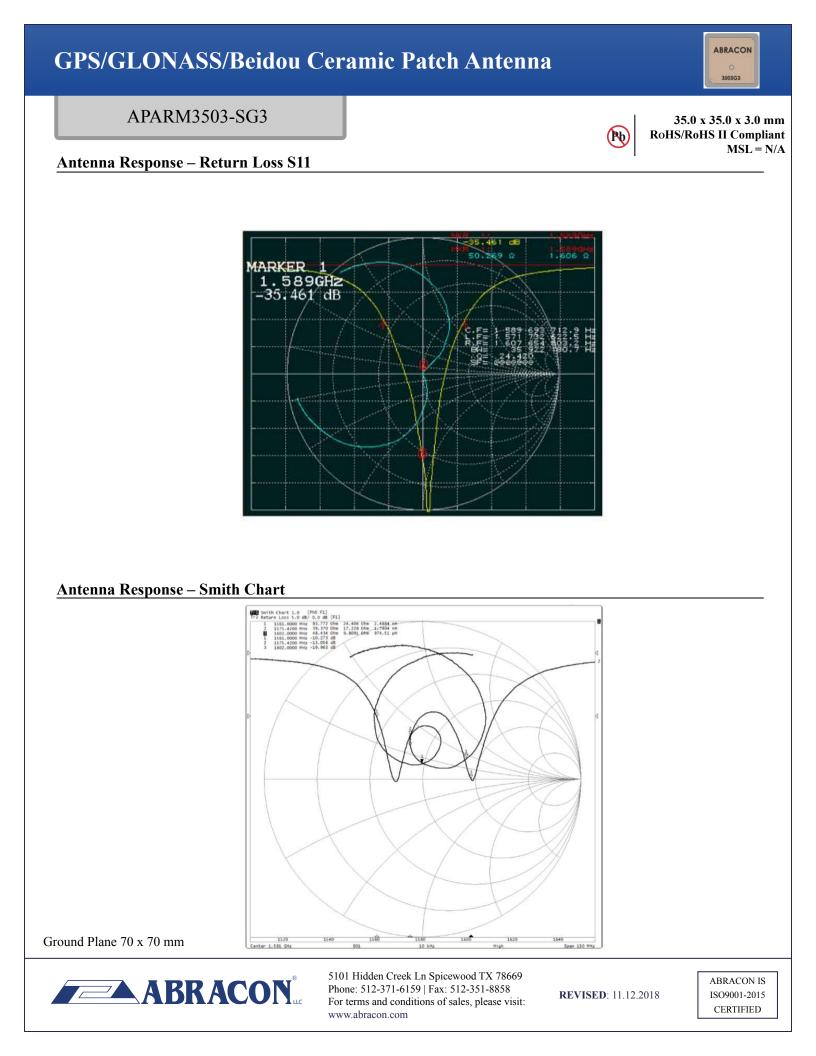


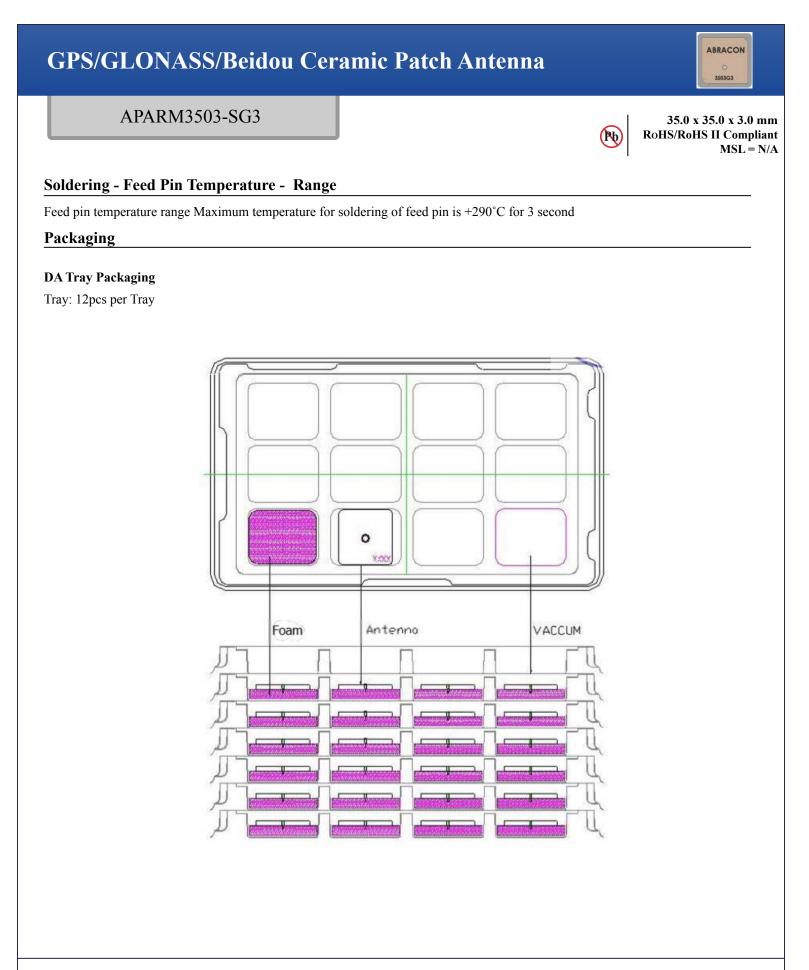


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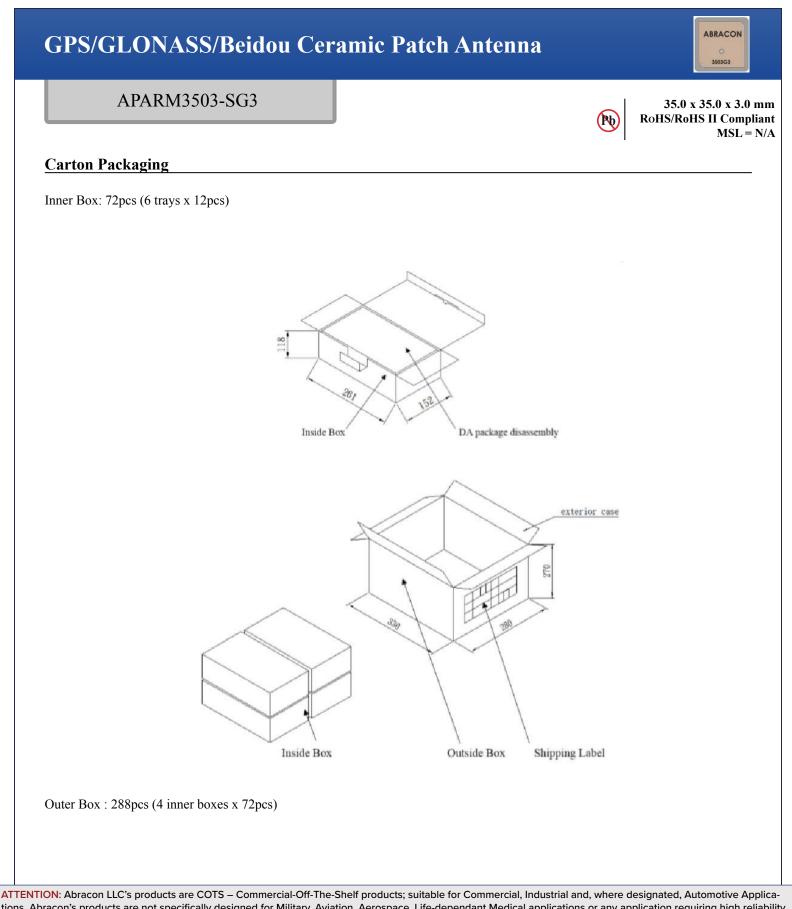






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