

## AMC-ANT-MHA-1575A

### MARUWA miniature PCB feed GPS L1 antenna (B1, E1)

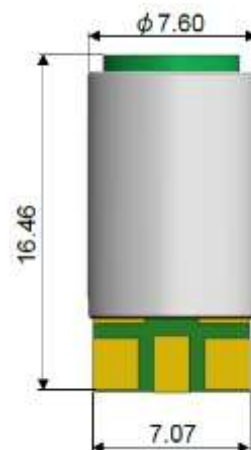
#### Features

- Designed for installation with 1.5mm gap from antenna side to host PCB ground plane
- Filters against interference from cellular and ISM bands
- Balanced design rejects common mode noise from ground plane
- Solder pad installation to device PCB

The AMC-ANT-MHA-1575A GPS L1 (B1, E1) dielectric-loaded antenna from MARUWA uses Sarantel's distinctive technology to provide unrivalled circularly-polarised gain from a uniquely small volume. The dielectric core together with the flywheel effect of the advanced design provides excellent performance in the most tightly integrated applications. The AMC-ANT-MHA-1575A acts as its own filter, attenuating signals from common cellular and ISM frequencies by as much as 30dB.

#### Suggested Applications

- Asset tracking
- Handheld devices
- UAV/AUV
- Traffic enforcement
- Emergency location
- Seismic monitoring/measuring
- Wildlife tracking
- Marine tracking



Design Specifications	Typical	Units
Band	L1 (B1, E1)	MHz
Gain (RHCP)	-3.5	dBic at zenith
Beamwidth	>135	Degrees
Bandwidth	15	MHz
Axial Ratio	<1.5	at zenith
VSWR	<2.0:1	-
Impedance	50	Ohms
Operating Temp	-40→+85	°C
Weight	3	grams

