

## **GPS/Iridium Dielectric Antenna Specification**

( Model: SPK-GIRIANT-353504 )



### **( i ) Dielectric Antenna**

Frequency ( MHz ) : 1575.42/1620

Center Frequency ( MHz ) : 1592

VSWR: 1.5:1

Bandwidth ( MHz ) : 15 Min

Impedance (  $\Omega$  ) : 50

Peak Gain  $>5\text{dBi}$  Based on  $7\text{cm}\times 7\text{cm}$  ground plane

Gain Coverage  $>-4\text{dBi}$  at  $-90^\circ < 0 < +90^\circ$  (over 75% Volume)

Polarization: RHCP

Power Handling ( W ) : 1

### **( ii ) Mechanical**

Weight ( gram )  $<10$

Size ( mm ) :  $35\times 35\times 4$

### **( iii ) Environmental**

Working Temp:  $-40^\circ\text{C}\sim +85^\circ\text{C}$



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Storage Temp:  $-45^{\circ}\text{C} \sim +90^{\circ}\text{C}$

Vibration: Sine sweep 1g(0-p)10~50~10Hz each axis

Humidity: Humidity95%~100%RH

