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# Iridium Dielectric Patch Antenna Specification

( Model NO.: RY-IR-353 )



## ( I ) Product Overview

( i ) Dielectric Antenna

Center Frequency (MHz) :1616-1626

VSWR: 1.5:1

Bandwidth (MHz): 15 Min

Impedance ( $\Omega$ ): 50

Dielectric Constant: 8

Peak Gain >3dBi Based on 7cmx7cm ground plane

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

Polarization: RHCP

Power Handling (W): 1

( ii ) Mechanical

Weight (gram) <10

Size (mm): 35x35x3

( iii ) Environmental

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

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

## ( II ) Mechanical

