

Product profile

IA33G

Circular Polarized
Panel Antenna

*Intermec part number
805-654-001*



The IA33G antenna is a right-hand circular polarized panel antenna appropriate for use in indoor, FCC regulated environments. It can be used to support stationary RFID applications requiring medium to long read range.

Electrical Properties

Frequency range: 902 - 928 MHz

Impedance: 50 Ω

VSWR: max. 1.5

Polarization: circular, right

Gain: 8.5 dBi

3 dB beamwidth horizontal: 63°

3 dB beamwidth vertical: 63°

Downtilt: 0°

Front to back ratio: max. -18 dB

Max. input power: 6 W

Sidelobe level: max. -16 dB

Axial ratio level: max. 4 dB

Mechanical Properties

Radome Material: Thermoplastic
2002/95/EC (RoHS) compliant

Connector: Reverse polarized N female

Dimensions: 12.01" x 12.01" x 0.98"
(305 x 305 x 25 mm)

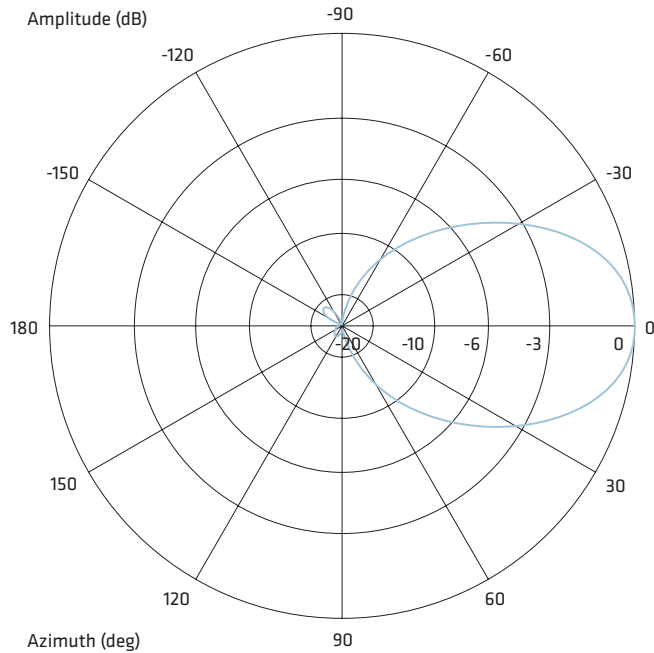
Weight: 2.65 lbs. (1.2 kg)

Temperature range: - 55°C to + 71°C
per IEC 68

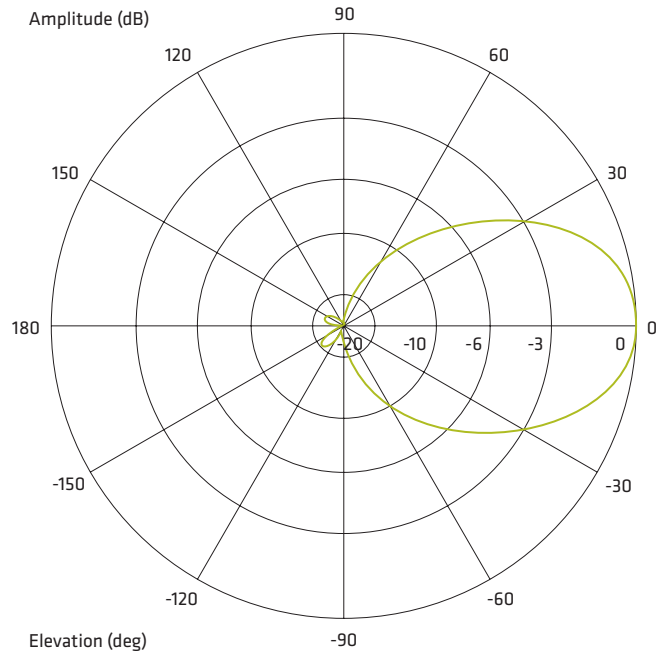
Water tightness: IP 54

Mounting Hardware: Use with
bracket 805-653-001

Radiation Patterns:



— Horizontal-Plane: Copolar



— Vertical-Plane: Copolar

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