

Product profile

IA33H

Circular Polarized
Panel Antenna

*Intermec part number
805-655-001*



The IA33H 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 long read range.

Electrical Properties

Frequency range: 902 - 928 MHz

Impedance: 50 Ω

VSWR: max. 1.5

Polarization: circular, right

Gain: 10 dBi

3 dB beamwidth horizontal: 60°

3 dB beamwidth vertical: 45°

Downtilt: 0°

Front to back ratio: max. -20 dB

Max. input power: 6 W

Sidelobe level: max. -12 dB

Axial ratio level: max. 2.5 dB

Mechanical Properties

Radome Material: Thermoplastic

Connector: Reverse polarized N female

Dimensions: 14.61" x 14.61" x 1.57"
(371 x 371 x 40 mm)

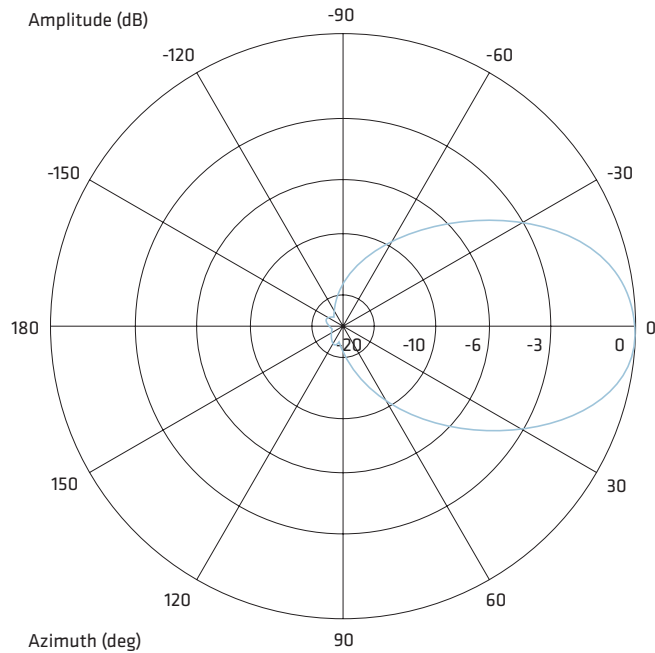
Weight: 4.41 lbs. (2.0 kg)

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

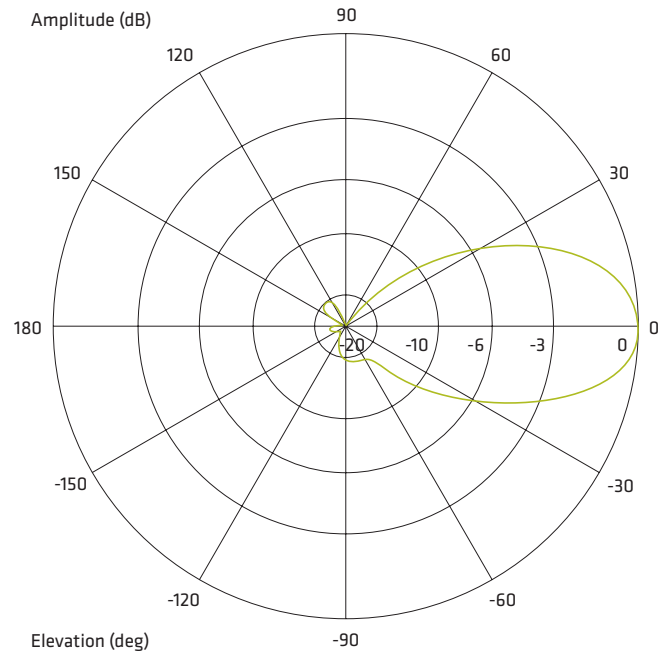
Water tightness: IP 54

Mounting Hardware: Use with
bracket 805-653-001

Radiation Patterns:



— Horizontal-Plane: Copolar



— Vertical-Plane: Copolar

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