

## Product profile

# IA34B

Circular Polarized  
Panel Antenna

*Intermec part number  
805-655-002*



The IA34B antenna is a left-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  $\Omega$

**VSWR:** max. 1.5

**Polarization:** circular, left

**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)

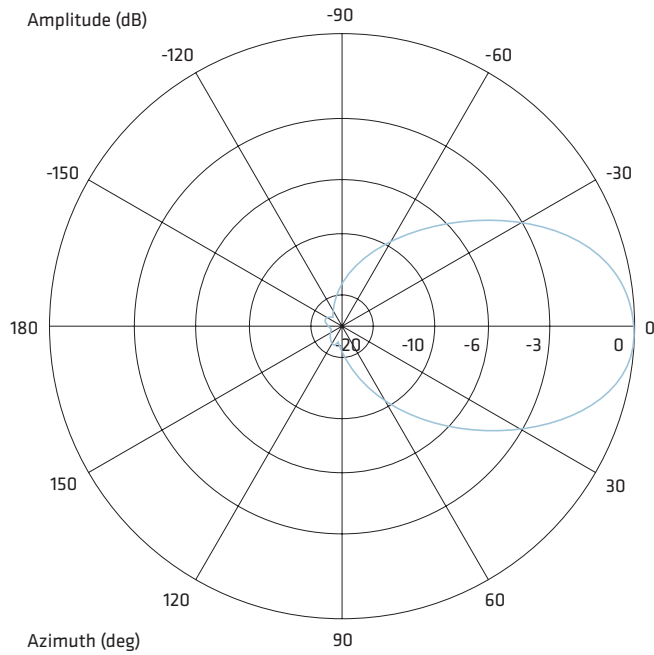
**Weight:** 4.41 lbs. (2.0 kg)

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

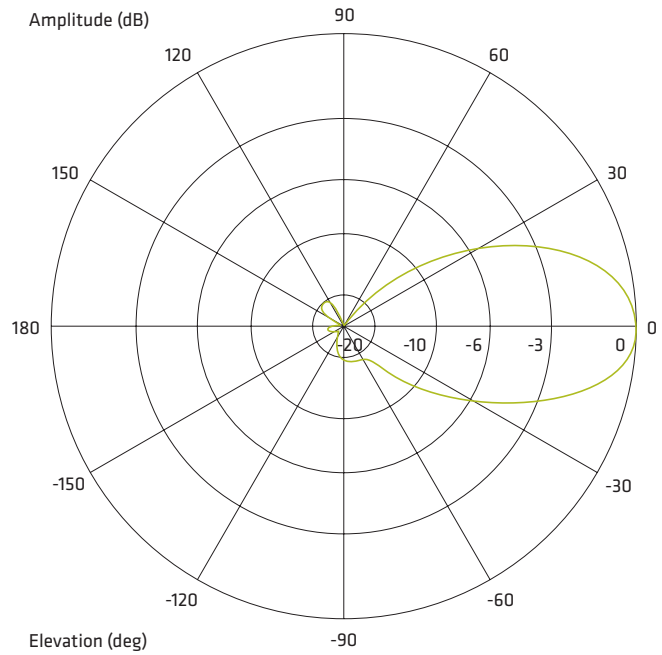
**Water tightness:** IP 54

**Mounting Hardware:** Use with  
bracket 805-653-001

Radiation Patterns:



— Horizontal-Plane: Copolar



— Vertical-Plane: Copolar

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