

Product profile

IA33F

CIRCULAR POLARIZED
PANEL ANTENNA

Intermec part number
805-656-001



The IA33F antenna is a right-hand circular polarized panel antenna appropriate for use in indoor, ETSI regulated environments. It can be used to support stationary RFID applications requiring medium to long read range.

Electrical Properties

Frequency range: 865 - 870 MHz

Impedance: 50 Ω

VSWR: max. 1.5

Polarization: circular, right

Gain: 8.5 dBi

3 dB beamwidth horizontal: 63°

3 dB beamwidth vertical: 65°

Downtilt: 0°

Front to back ratio: max. -18 dB

Max. input power: 6 W

Sidelobe level: max. -16 dB

Axial ratio level: max. 2 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)

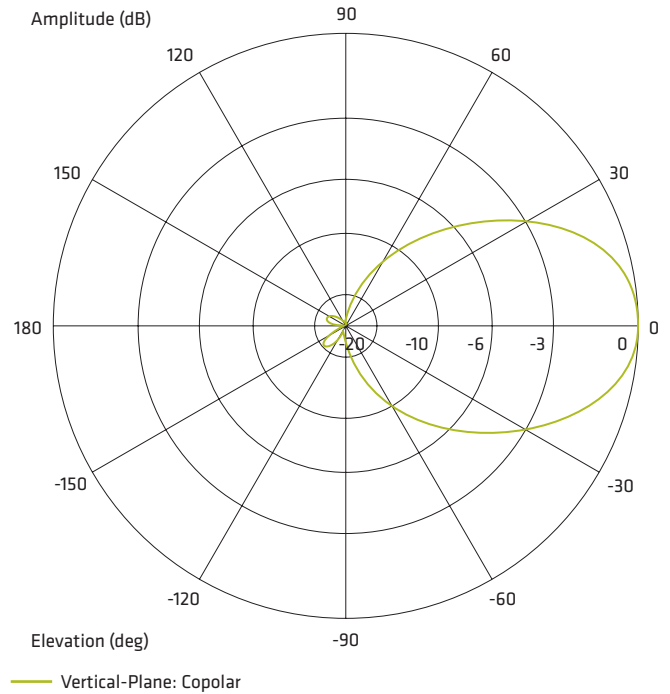
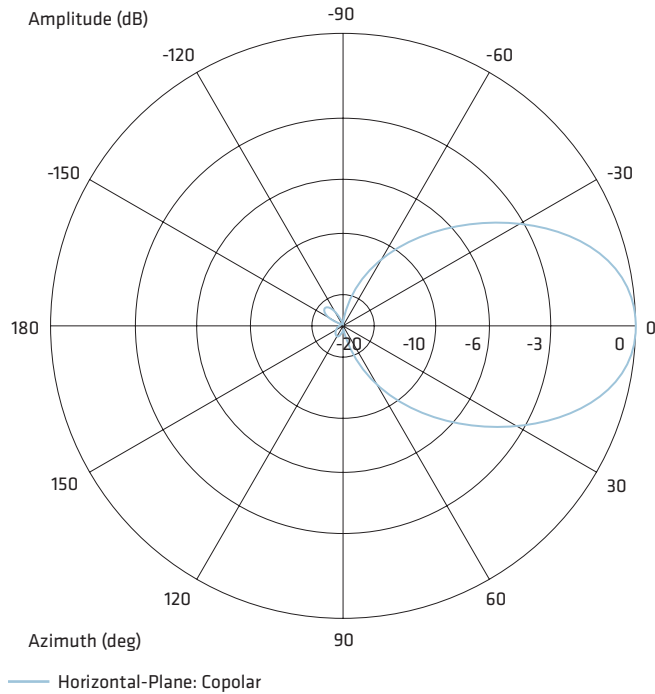
Weight: 2.65 lbs. (1.2 kg)

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

Water tightness: IP 54

Mounting Hardware: Use with
bracket 805-653-001

Radiation Patterns:



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