

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" × 12.01" × 0.98"
(305 × 305 × 25 mm)

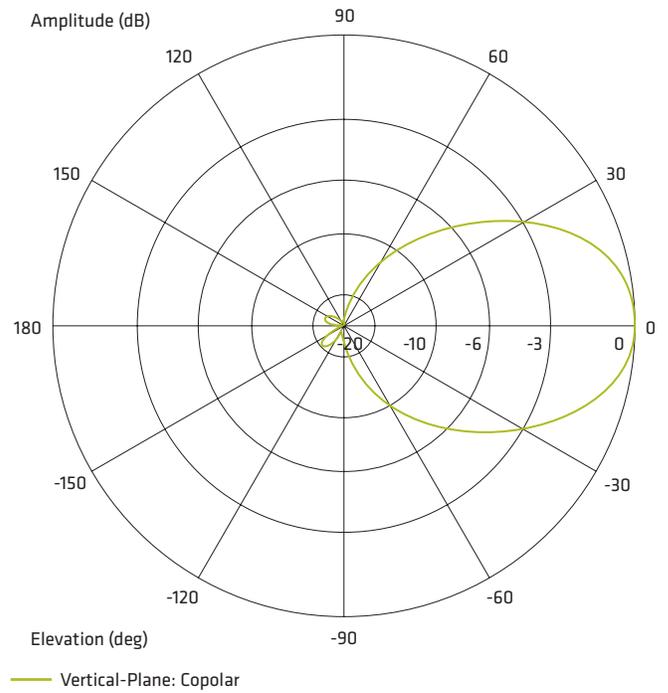
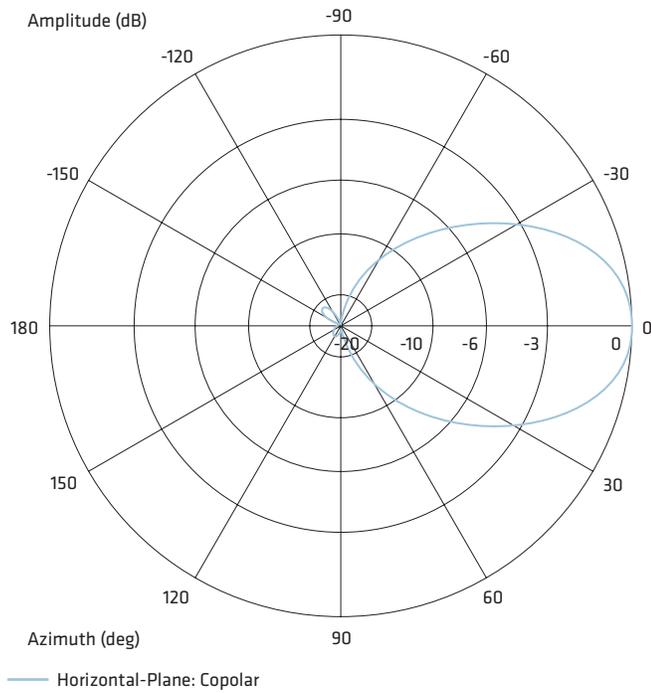
Weight: 2.65 lbs. (1.2 kg)

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

Water tightness: IP 54

Mounting Hardware: Use with
bracket 805-653-001

Radiation Patterns:



**North America
Corporate Headquarters**
6001 36th Avenue West
Everett, Washington 98203
Phone: (425) 348-2600
Fax: (425) 355-9551

**North Latin America
Headquarters Office**
Mexico
Phone: +52 55 52-41-48-00
Fax: +52 55 52-11-81-21

**South Latin America
Headquarters Office**
Brazil
Phone: +55 11 5502.6770
Fax: +55 11 5502.6780

**Europe/Middle East &
Africa Headquarters Office**
Reading, United Kingdom
Phone: +44 118 923 0800
Fax: +44 118 923 0801

**Asia Pacific
Headquarters Office**
Singapore
Phone: +65 6303 2100
Fax: +65 6303 2199

Internet
www.intermec.com
Worldwide Locations:
www.intermec.com/locations

Sales
Toll Free NA: (800) 934-3163
Toll in NA: (425) 348-2726
Freephone ROW:
00 800 4488 8844
Toll ROW: +44 134 435 0296

OEM Sales
Phone: (425) 348-2762

Media Sales
Phone: (513) 874-5882

**Customer Service
and Support**
Toll Free NA: (800) 755-5505
Toll in NA: (425) 356-1799

Copyright © 2009 Intermec Technologies Corporation. All rights reserved. Intermec is a registered trademark of Intermec Technologies Corporation. All other trademarks are the property of their respective owners. Printed in the U.S.A. 612065-01A 07/10

In a continuing effort to improve our products, Intermec Technologies Corporation reserves the right to change specifications and features without prior notice.

