

AN480: Broadband RFID Antenna For Worldwide Use, UHF 865-956 MHz

The AN480 single port antenna offers maximum performance and flexibility. The low axial ratio is nearly 50 percent lower than typical competitive devices, delivering a more uniform gain — and better performance.

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The wide frequency range enables this antenna to be utilized in worldwide deployments, providing cost-efficiencies and a simplified RFID infrastructure. The AN480 can be installed throughout the enterprise in manufacturing and warehouse floor environments, or any dock door receiving application. As with all Motorola antennas, the AN480 uses Motorola's standard mounting bracket — mounting the antenna for the first time or upgrading an existing Motorola antenna with the AN480 is fast and easy.

Main features of RFID antennas Motorola AN480:

- 6 dBi high gain
- maximum performance
- flexibility
- indoor and outdoor use



Technical Description

Functionality & Operation

Frequency	UHF: 865 - 956 MHz
Connectors	Type "N" female
Maximal transmit power	2W
Polarization	LHCP, RHCP

Electrical

Return loss (VSWR)	1.2:1, 1.3:1
Axial ratio	1.5dB
DC resistance	10000ohm
Gain	6dBi
Front to back ratio	18dB
Nominal impedance	50ohm
Beam width	65° horizontal, 3 dB
Beam width	65° vertical, 3 dB

Mechanical

Dimensions	Width: 259.1mm, Height: 259.1mm Length: 50.3mm
Weight	1.13kg

Environment

Ingress protection	IP54
Vibrations resistance	IEC-68

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