

Telex® Technical Data

WLAN / WISP 90 degree H-Pol Sector Antenna

2.4 - 2.5 GHz

Order No. 2445AA

General Description

This antenna was designed for WLAN and WISP applications for frequencies of 2400 MHz to 2500 MHz. This horizontally-polarized antenna has a beamwidth of 90 degrees with a gain of 12.0 dBi when measured at the standard type-N coax connector. This antenna's mounting bracket features a 0 to 20 degree down tilt adjustment. It is designed to mount to a round mast.



Specifications

Electrical:

Frequency	2400-2500 MHz
VSWR.....	nominal 1.5:1, maximum 2.0:1
Nominal Impedance	50 ohms
Nominal Gain	12.0 dBi
Half-power E-Plane (Azimuth) Beamwidth.....	90 degrees
Half-power H-Plane (Elevation) Beamwidth	17 degrees
Front-to-Back Ratio	greater than 20 dB
Polarization	Horizontal
Maximum Power	10 Watts

Mechanical:

Size (without mount).....	8" wide x 21" long x 5" deep
Mounting method.....	adjustable bracket (0 to -20 degrees) with SS U-bolts, 1.0 - 2.0 inch OD
Connector	type N female
Wind Survival (per EIA-222-F at 100' height).....	125 mph
Wind Area	1.17 sq. ft. - front, 0.9 sq. ft. - side
Ice, snow	0.5" ice @ 65 mph
Temperature range.....	-40 to +60 degrees C
Humidity	5% - 95% (non-condensing)

Since it is the intent of TELEX COMMUNICATIONS, INC. to continually improve its products, Telex reserves the right to make specification and design changes without notice.



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