

Telex® Technical Data

5.8 GHz WLAN/U-NII 90 degree Sector Antenna 5.725 - 5.825 GHz
Order No. 5840AA

General Description

This antenna was designed for WLAN applications for frequencies of 5725 MHz to 5825 MHz. The antenna has a beamwidth of 90 degrees with a gain of 15.0 dBi when measured at the standard N jack coax connector. This antenna is an excellent choice for a 90 degree sector antenna. 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	5725-5825 MHz
VSWR.....	nominal 1.4:1, maximum 2.0:1
Nominal Impedance	50 ohms
Nominal Gain	15.0 dBi
Half-power H-Plane Beamwidth.....	90 degrees
Half-power E-Plane Beamwidth	7.5 degrees
Polarization	Vertical
Maximum Power	10 Watts

Mechanical:

Size (without mount).....	5 1/2" wide x 14 1/2" long x 5 1/4" deep
Mounting method.....	adjustable bracket (0 to -20 degrees) 2.0 inch OD max.
Connector	N jack
Wind Survival (per EIA-222-F at 100' height).....	125 mph
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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