

# Telex® Technical Data

5.8 GHz WLAN/UNII Directional Antenna

5.725 - 5.825 GHz

Order No. 5816AB

## General Description

This antenna is a totally enclosed 34 element Yagi antenna for the 5725 to 5825 MHz frequency band. It is designed to be used as a bridge antenna between two networks or for point to point communications. It has a nominal VSWR of 1.5:1 and is less than 2:1 over the entire frequency band. The gain is 16.5 dBi and the half-power beamwidth is 19 degrees. This antenna is normally mounted on a mast and is vertically polarized



## Specifications

### Electrical:

Frequency Range	5725-5825 MHz
VSWR	Less than 2:1, 1.5:1 Nominal
Nominal Impedance	50 ohms
Gain	16.5 dBi Nominal
Front-to-Back ratio	Greater than 20 dB
Half-power Beamwidth	19 degrees
Polarization	Vertical

### Mechanical:

Size	18.0" long
Mounting method	Clamps to vertical mast up to - 1 5/8" O.D.
Cable length	1.5 ft
Cable Type	LMR-195, 50 ohm
Connector	Type N jack
Optional connectors	TNC, TNC-RP, SMA, SMA-RP

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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