

Telex® Technical Data

5.8 GHz WLAN/UNII Directional Antenna
Order No. 5816AB

5.725 - 5.825 GHz

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.
Wind Area / Wind Survival	0.25 square foot / 150 MPH
Cable length	1.5 ft
Cable Type	LMR-195, 50 ohm
Connector	Type N jack

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.



8601 East Cornhusker Highway, Lincoln, NE 68505
Phone: (402) 467-5321 FAX: (402) 467-3279