



# DUO8-6060

60° Azimuth Beams, 96.4 inches

Directing our energies for you.

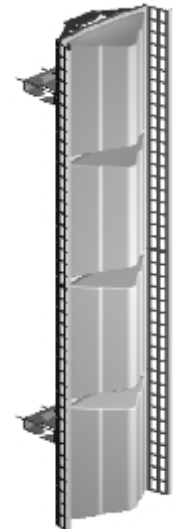
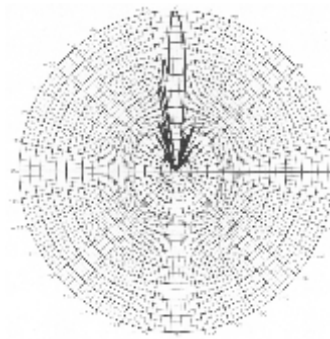
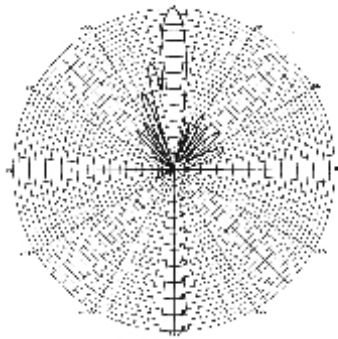
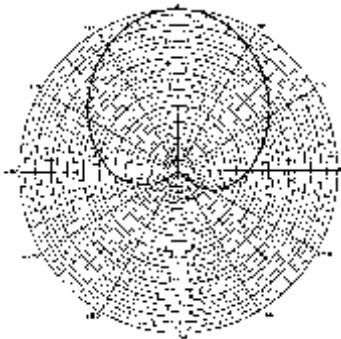
824-896 & 1850-1990 MHz Band

## Electrical Specifications

Frequency	824-896 & 1850-1990 MHz
Polarization	Vertical
Gain @ 850 MHz	17.8 dBi
Gain @ 1900 MHz	17.4 dBi
Horizontal Beam (3dB Points)	60° & 60°
Vertical Beam (3dB Points)	8° & 7°
Electrical Downtilt Options	0, 2, 4 or 6°
VSWR / Return Loss	≤1.40:1 / 15.6 dB
VSWR Opt "i" / Return Loss	<1.50:1 / 14.0 dB
Front-to-Back at Horizon	>30 dB & >30 dB
Upper Side Lobe Suppression	<-20 dB & <-18 dB
Impedance	50 Ohms
Power Input Per Connector	500/250 Watts CW
Isolation	< -30 dB
Intermodulation (2x20W)	typ. -150 dBc

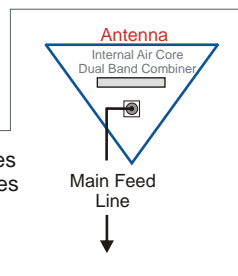
## Mechanical Specifications

Input Connector (female)	Back 7/16 DIN (silver finish)
Antenna Dimensions (LxWxD)	96.4 x 16.7 x 9.0 in. (2449 x 424 x 229mm)
Antenna Dim. with "Opt-i"	96.4 x 16.7 x 10.7 in. (2449 x 424 x 272mm)
*Antenna Weight	56 lbs
Bracket Weight	18.2 lbs
Lightning Protection	Direct Ground
RF Distribution	Silver Plated Brass
Radome	Ultra High-Strength Luran
Weatherability	UV Stabilized, ASTM D1925
Radome Water Absorption	ASTM D570, 0.45%
Environmental	MIL-STD-810E
Wind Survival	150 mph
Front Wind Load @ 100MPH	284 lbs
Equivalent Flat Plate @ 100MPH	5.77 sq-ft. (c=2)
Mounting Brackets	Fits 3.5 Inch Max. O.D. Pipe
Mechanical Downtilt Range	0-6°
Clamps/Bolts	Hot Dip Galvanized Steel/Stainless Steel



### Available with Opt "i"

- The Opt "i" antenna option provides the Integrated Diplexer that reduces mainline cable and eliminates separate external devices.



**5 Year Warranty**

## Ordering Information & Options

DUO8-6060-xy "xy" is a placeholder for the built-in fixed electrical downtilt in degrees 0, 2, 4 or 6 "x" for low band, y for high band.  
 DUO8-6060-xyi to add the Opt "i" option for integrated diplexers, add "i" to model number  
 DUO8-6060-xyi-j# add a "j#" to add a 1/2" RF cable, where "#" is the cable length, "j2" is 2 meters, "j4" is 4 meters, "j6" is 6 meters...

\*Antenna Weight may vary slightly with options such as back or bottom connector and integrated diplexers.

