

UHF LOG PERIODIC ANTENNA MODEL:

- J-275D-K-*

Each Model J-275D-K-* consists of a wide-band, diamond-loop driver, two vertically spaced reflectors and 13 tuned directors. The diamond driver is an exclusive TACO design providing a matched 75 Ohm impedance throughout the UHF range. Dual reflectors increase both horizontal and vertical directivity of the driver and provide front-to-back ratios of 20 dB or better. Directors are tuned for specified channels to provide gain of 14 dB over a reference dipole.

** - see Gain curves

SPECIFICATIONS:

ELECTRICAL

Specification	J-275D-K-*
CHANNELS	14 Thru 83 (6 models)
GAIN	14 dBi (see chart)
IMPEDANCE	75 Ohm
VSWR	1.5:1
FR:BK RATIO	20 dB
POLARIZATION	H or V
H. BEAM WIDTH	55 deg.
CONNECTOR	"F" Connector
PIPE SIZE (CTR Mount)	1.5" To 2.0" O.D.

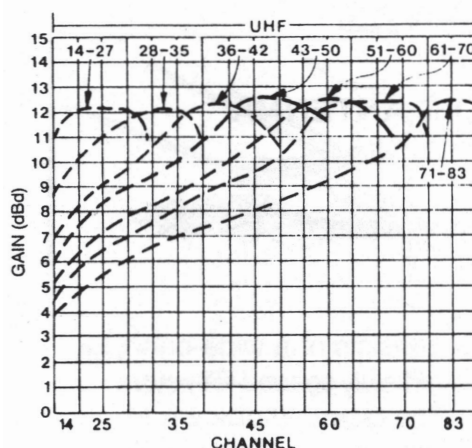
*Where interfering signals such as co-channel, adjacent channel and ghosting are present, custom arrays can be designed to reduce the level of interference by as much as 40 db in most cases.

MECHANICAL

Specification	J-275D-K-*
LENGTH	77.3 "
WIDTH	14 "
WEIGHT (LBS):	18
WIND LOAD (LBS):	
NO ICE*	0.81 SQ. FT.
1" RADIAL ICE**	2.09 SQ. FT.
THRUST (LBS):	
NO ICE*	29.2
1" RADIAL ICE**	18.8
TORQUE (Ft-Lbs):	
NO ICE*	46.1
1" RADIAL ICE**	29.7

*WIND SPEED 100 MPH

**HALF WIND 50 MPH



J-275D-K-* GAIN CURVES

** PLEASE NOTE: dBi = dBd+2

A qualified structural engineer should be consulted prior to mounting an antenna on a tower or a support structure.

WADE Antenna Inc.

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