



Product Features

WH14-69/32, WH14-69/43

Description

The Wade Helical Antenna is circularly polarized for CATV Off-Air reception. The WH14-69 covers the entire UHF band (470- 806 MHz), channels 14 through 69.

Available as a single antenna or a customized antenna array. Electrical performance of the WH14-69, along with the high quality of materials used in the construction of this antenna, have resulted in a superior performance and longevity even when exposed to the most extreme weather conditions.

ELECTRICAL SPECIFICATIONS

SPECIFICATION	WH14-69/32	WH14-69/43
FREQUENCY RANGE - MHz	470-806	470-806
GAIN - dBic	18	19
GAIN - dBi	15	16
NUMBER OF TURNS	12	12
VSWR MAX	1.9	1.9
VSWR TYPICAL	1.4	1.4
HPBW HORIZONTAL - °	27	24
HPBW VERTICAL - °	25.5	23
POLARIZATION	Circular	Circular
SIDELobe SUPPRESSION - dB	16	17
F/B RATIO - dB	>25	>27
CROSS POLARIZATION SUPPRESSION - dB	20	20
IMPEDANCE - Ohm	75	75
CONNECTOR	"F"	"F"
MAX. INPUT POWER - W	25	25
TEMPERATURE - C	-40 to +70	-40 to +70

MECHANICAL SPECIFICATIONS

SPECIFICATION	WH14-69/32	WH14-69/43
OVERALL LENGTH - in	65	65
HELIX DIAMETER - in	5.875	5.875
GROUND PLANE DIAM. - in	32	42.67
STUB LENGTH - in	6.5	6.5
STUB OD - in	1.5	1.5
ANTENNA WEIGHT - lbs	13	14
MOUNTING OPTION	Mast	Mast
MIN-MAX MAST OD - in	2.5-4.5	2.5-4.5

WIND LOAD SPECIFICATIONS

SPECIFICATION	WH14-69/32	WH14-69/43
WIND AREA - ft²		
NO ICE *	1.94	2.32
1" RADIAL ICE **	4.02	4.42
WIND LOAD (ft. lbs)		
NO ICE *	169	203
1" RADIAL ICE **	102	122
SURVIVAL WIND SPEED (no ice)	165	151

*Wind Speed: 100mph

**Half Wind: 50mph

Wade Antenna's ongoing policy of continuing development may result in specification changes to its products.