

UTV-11/LP

UHF SUPERTURNSTILE ANTENNA

FEATURES

- horizontal polarization
- broadband 470 ÷ 860 MHz
- omnidirectional pattern
- self supporting radome

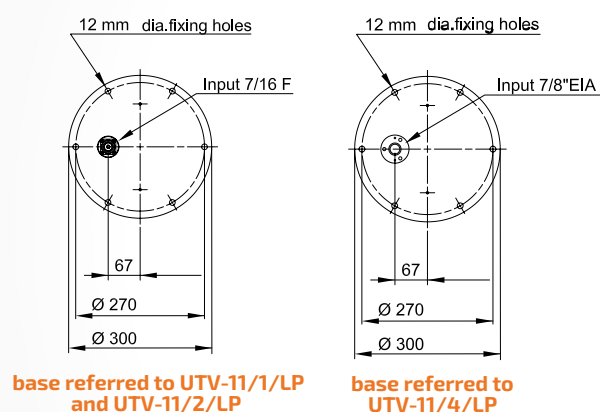


ELECTRICAL DATA

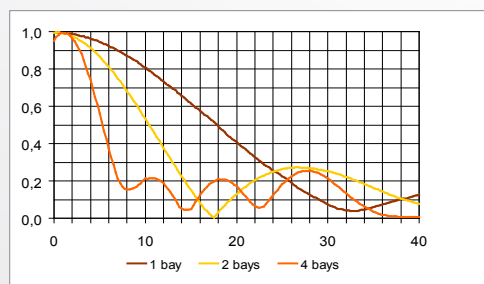
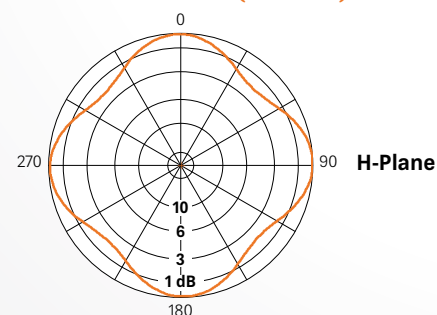
ANTENNA TYPE	UTV-11/1/LP	UTV-11/2/LP	UTV-11/4/LP
FREQUENCY RANGE	470 ÷ 860 MHz	470 ÷ 860 MHz	470 ÷ 860 MHz
IMPEDANCE	50 ohm	50 ohm	50 ohm
CONNECTOR	7/16 F	7/16 F	7/8" EIA
MAX POWER	1 kW	1.4 kW	2 kW
VSWR	≤ 1.15 ≤ 1.1 (470÷790MHz)	≤ 1.1	≤ 1.1
POLARIZATION	Horizontal	Horizontal	Horizontal
GAIN (referred to half wave dipole)	5 dB	8 dB	11 dB
LIGHTNING PROTECTION	All metal parts DC grounded		

MECHANICAL DATA

DIAMETER radome "D" mm (in)	230 (9.06)	230 (9.06)	230 (9.06)
ANTENNA HEIGHT "L" mm (in)	1214 (47.8)	2438 (96)	4868 (191.7)
WEIGHT kg (lb)	18 (39.7)	31 (68.3)	58 (128)
WIND SURFACE m ² (ft ²)	0.28 (3)	0.56 (6)	1.12 (12)
WIND LOAD kN (lbf) at 160 km/h (100 mph)	0.25 (56.2)	0.51 (115)	1.02 (229)
MAX WIND VELOCITY km/h (mph)	220 (136.7)		
MATERIALS	Brass, aluminium, teflon, fiberglass (radome)		
ICING PROTECTION	Full radome		
RADOME COLOUR	Grey		
MOUNTING	Directly on top of existing mast by means of a flange		



RADIATION PATTERNS (Mid Band)



All dimensions are in millimeters