



# HALF WAVE CENTER FED DIPOLE VHF ANTENNA

R-Y 010 NE, 68 ÷ 80 MHz

R-4.06.030.01

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## Electrical Specifications

Frequency band (MHz)	68 ÷ 80	
Impedance ( $\Omega$ )	50	
VSWR	$\leq 1.5:1$	
Continuous Max. Power (W)	150	
Polarization	vertical or horizontal	
Gain		
(dB over 1/2 dipole)	1	
(dBi)	3	
HPBW ( $^\circ$ ) - H-plane	omnidirectional	
HPBW ( $^\circ$ ) - E-plane	74	
Lightning protection	DC grounded	
Operating Temp. Range ( $^\circ\text{C}$ )	$-35 \div +80$	

## DESCRIPTION

Half wave center fed dipole antenna for VHF band.

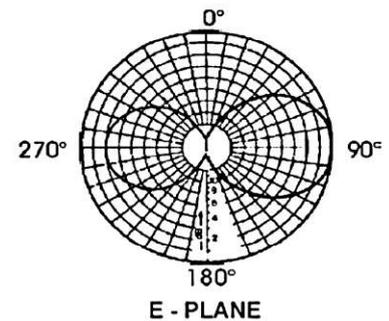
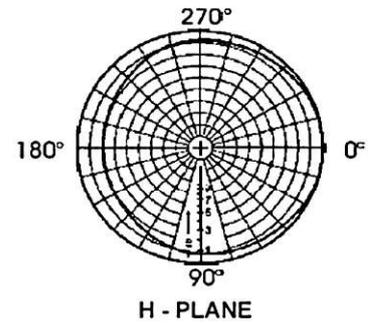
All parts of the antenna are DC grounded for lightning protection.



## Mechanical Specifications

Connector	N f	
Dimensions (Height x Width, mm)	1820 x 1515	
Weight (kg)	3.6	
Max. wind velocity (km/h)	160	
Materials		
boom	Aluminum alloy DIN 3.2315	
elements	Aluminum alloy DIN 3.2306	
Mounting	on master tube with diameter 33 ÷ 60 mm	

## Radiation Patterns



## VSWR

