

Omnidirectional Base Station Antenna with Heavy-Duty-Fiberglass Radome and sturdy mounting bracket for the UHF / TETRA 380-512 MHz



KC390-3G HD is a 3 dBd gain, Heavy duty, omnidirectional collinear base station antenna for the 380-512 MHz Band. It is designed for mounting on supporting tubes with outer diameter between 27 mm and 660 mm. The construction of the mount makes it possible to lead the cable either inside or along the outside of the mast tube. The fiberglass tube completely encloses the carefully designed radiating element to ensure long dependable service in all climates. The atmospheric discharges are immediately led to ground as all metal parts are DC-connected. Therefore, the antenna shows a DC-short across the coaxial cable. This antenna is used where reliability is of great importance. A long lifetime has been taken into consideration when designing this antenna - sturdy and strong.



SPECIFICATIONS

ELECTRICAL

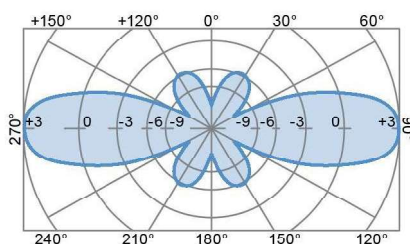
Frequency Range	380-512 MHz
Band width	20 MHz
SWR	< 1.5
Gain	3 dBd (5.15 dBi)
Impedance	50 Ω
Max. Power	300 W
Polarization	Vertical
Antistatic protection	DC-grounded (Connector shows a DC-short)
Intermodulation (PIM)	<-153 dBc (3 rd. order for 2 43dBm carriers)
-3 dB Beamwidth	Vertical 32 ° / Horizontal 360°
Downtilt ptional)	5°, 8°
Connector	4.3-10 , 7/16 optional

MECHANICAL

Protection	IP 66
Weight	3.1 kg
Mounting	27 - 660 mm mast tube
Material	Radome: fiberglass Mounting Bracket: Epoxy coated aluminum
Wind Load	200 Km/h
Dimensions mm	L 1800, Dia 150

ORDERING DESIGNATIONS: When ordering, please, specify an exact Tx frequency.

RADIATION PATTERN (E-PLANE)



TYPICAL SWR CURVE

