

Circular pole antenna

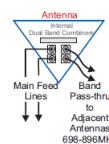
56° beams

1710–2170 MHz



- Designed to improve SNR
- Greatly increases data rates
- Fast roll-off
- Optional internal diplexers
- Suitable for LTE/CDMA/UMTS/GSM

Available with Integrated Diplexers
and back mounted connectors,
bottom mounted connectors
are not available with Integrated Diplexers



ELECTRICAL SPECIFICATIONS

Frequency band, MHz	1710-1880	1850-1990	1990-2170
Horizontal beamwidth, 3 dB points	60°	56°	54°
Gain, dBi	18.2	18.9	19.2
Vertical beamwidth, 3 dB points	5.2°	5.0°	4.8°
Front-to-back at 180°, dB		>30	
Upper sidelobe suppression, typical, dB		<-18	
Polarization	Left and right circular		
Electrical downtilt, fixed	0° or 2°		
VSWR/return loss, dB, maximum	1.35:1/-14.0		
Isolation between ports, dB, minimum (Tx band)	>18		
Intermodulation (2 x 20 w), IM3, dBc, maximum	<-150		
Impedance, ohms	50		
Maximum power per connector, CW (w)	250		
Lightning protection	DC ground		

MECHANICAL SPECIFICATIONS

Dimensions, length/width/depth	69.1/6.7/4.3 in. (1755/170/104 mm)
Connector (quantity) type	(4) 7-16 DIN female
Connector torque	220-265 lbf·in (25-30 N·m)
Connector location	Back or bottom
Antenna weight	15.0 lb (6.8 kg)
Bracket weight	13.2 lb (6.0 kg)
Standard bracket kit	Part #919011 (included)
Mechanical downtilt range	0-12°
Radome material	High strength Luran®, UV stabilized, ASTM D1925
Wind survival	150 mph (241 km/h)
Front wind load	105 lbf (466.50 N) @ 100 mph
Equivalent flat plate	2.13 sq ft (c=2) @ 100 mph

ORDER INFORMATION

MODEL	DESCRIPTION
CAP-FRO-656-2ip	Circular-Pol antenna with four (4) back DIN connectors w/ int. diplexers, 2° electrical downtilt
919036	Bracket kit, 2-point, 12° D-tilt, for 4.5" maximum OD pole

Mechanical outline drawing