

EXPOSED DIPOLE ARRAYS 87,5-108 MHz

Technical specifications

Exposed Dipole Arrays		
TC100 Series	Frequency range 87,5-108 MHz	
	TC100D2-6	TC100D4-9
Electrical specifications		
Gain, dB	6	9
Power rating, W	600	
Bandwidth, MHz	4	
SWR	<1,5:1	
Impedance, Ohm	50	
Vertical Beamwidth, deg	30	18
Lightning protection	DC Ground	
Termination	N-Type Female	
Mechanical specifications		
Dimensions, m	3,90 x 0,92	7,70 x 0,92
Weight, kg	7,5	14
Max Rated Wind Velocity, km/h	240	
Max Rated Wind Velocity with 0.01m radial ice, km/h	200	
Flat plate equivalent, sq.m	0,21	0,41

TC100 Broadcast Series

The COMTECH TC100 are two or four half-wave dipole arrays antennas with very high efficiency, each supplied with a mounting clamp and 2.9m/9.5ft length of coax cable terminated with an N-Type Female connector. Each dipole is at DC ground potential.

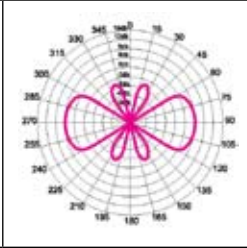
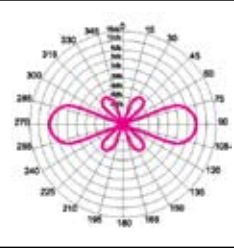
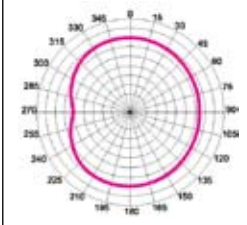
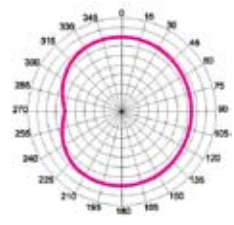
Patented protective layer is applied to antenna parts guarding against corrosion in extreme hostile environments.

Each antenna is completely protected from corrosive gases, ultraviolet radiation, salt spray, acid rain and abrasives such as windblown sand in desert environments.

Mounting. TC100 series antennas ships standard for mast mounting to a 1-3/8" to 2-1/2" (35mm to 62mm) diameter pipe.

Please note!

TC100 series antennas are manufactured for the certain frequencies of a broadcasting band 87.5-108 MHz.

Diagrams	TC100D2-6	TC100D4-9
Vertical radiation pattern		
Horizontal radiation pattern		

TC100D2-6



TC100D4-9

