



DCR-MT SERIES QUADRAPOLE ANTENNA

- 18 kW per bay
- Omnidirectional within 1 dB
- Circularly polarized
- Stainless steel construction
- Pole or tower top mount
- Broadband
- Low ice sensitivity, deicers optional

The DCR-MT top mount version of the popular quadrapole antenna is specifically designed for those applications where a near perfectly omnidirectional signal is desired. This antenna is designed to be self-supporting above the top of the mounting structure, thus eliminating the pattern distortion that is caused by mounting the antenna on the side of a metal tower or pole.

The high strength stainless steel construction provides an extremely rugged radiating element that imposes minimal windload on the mounting structure. The antenna base flange is designed to attach to a standard 6" pipe flange. The inside diameter of a 6" pipe is large enough to pass a standard 3 1/8" coax flange to feed the antenna. This antenna is currently available in a single bay design. It is conservatively rated for 18 kW of input power. For more information on this or other Dielectric products, please contact our factory.

Electrical Specifications

Antenna Type	Gain ¹ Power (dB) ¹	Power Rating kW ³
DCR-MT 1	0.46 (-3.37)	18

Notes:

1. Power gain in each polarization
2. Power rating based on 40°C (104°F) ambient. Multiply values listed by 0.8 for 50°C (122°F) ambient. DCT-MT with greater power ratings are available.

General Specifications

Polarization	Circular
Pattern Circularity in Free Space	± 1 dB
VSWR (max.) at Input w/o field trim	Top Mounted (±200 KHz) 1.05:1
Input	3 1/8" EIA
Section Dimensions	Diameter: 36" (915mm) / Height: 60" (1525mm)