UHF helical Antenna
Type TH0405R10

ELECTRICAL SPECIFICATIONS

- Frequency Range: 400 to 470 MHz
- Polarization: circular RHC
- Gain:
  - 10,2 dBi at 400 MHz
  - 10,8 dBi at 430 MHz
  - 11,5 dBi at 470 MHz
- Midband HPBW: 35 deg.
- Impedance: 50 Ohms
- VSWR: better than 1,5:1
- Front to Back Ratio: >20 dB
- Side Lobes: <14 dB

MECHANICAL SPECIFICATIONS

- Connector Type: N-female
- Antenna Length: 1500 mm (59.0 inch)
- Reflector Size: octal 400 x 400 mm (16 x 16 inch)
- Mounting: by Mount Kit
  for 35 to 63 mm (1.4 to 2.5 in) mast diameter
- Weight: ≤4000 grammes (9.0 lb) incl. mount kit

ENVIRONMENTAL SPECIFICATIONS

- Temperature Range: -40°C to +85°C (-40°F to +185°F)
- Wind Velocity: max. 180 km/h (110 mph)

OPTION

- optional LHC: TH0405L10

The helical antenna model TH0405R10 is a directional antenna, specially designed for applications in the UHF-frequency range from 400 to 470 MHz. This rugged, light weight constructed circular antenna is designed to withstand ice, snow and high wind speed.