

UHF helical Antenna

Type TH0405R10



ELECTRICAL SPECIFICATIONS

- Frequency Range 400 to 470 MHz
- Polarization circular RHC
- Gain 10,2 dBic at 400 MHz
10,8 dBic at 430 MHz
11,5 dBic at 470 MHz
- Midband HPBW 35 deg.
- Power Rating 300 Watts CW
- Impedance 50 Ohms
- VSWR better than 1,5:1
- Front to Back Ratio >20 dB
- Side Lobes <14 dB

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.

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 grams (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