

# UHF Bracket Mount Antenna

BM-IN2809



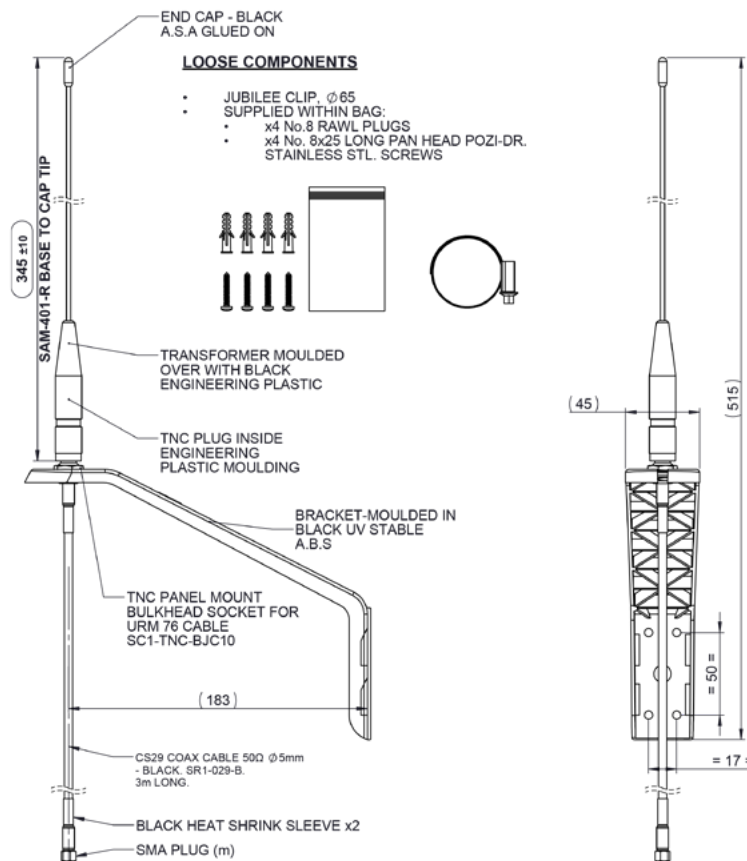
- Tuned for 450-470MHz band
- Improves range
- Wall mount or mast mount options

The bracket mount BM-IN2809 antenna is an easy to install solution.

Consisting of a robust end-fed half wave antenna with a stainless steel rod mounted on a durable UV stable ABS bracket the BM-IN2809 meets the challenges of 450MHz metering applications.

The antenna can be wall mounted via screw fixings or pole mounted with a supplied worm drive clip. It is supplied with 3m (9.8') of low loss cable and a fitted SMA (m) connector.

## Technical drawing



**Part No.**

BM-IN2809

**Electrical Data**

Frequency range (MHz) 450-470

Operational band 450MHz

Peak gain: Isotropic\* 2dBi

Typical VSWR @ 453MHz <1.5:1

Polarisation Vertical

Pattern Omni directional

Impedance 50Ω

Max input power (W) 5

**Mechanical Data**

Dimensions Total length 515 (20.2")

(mm) Length of whip 345 (13.6")

Off-set from wall (mm) 183 (7.2")

Operating temp (°C) -40° / +80°C (-40° / + 176°F)

Colour Black

**Cable Data**

Type CS23 – RG58 C/U

Length (m) 3 (9.8')

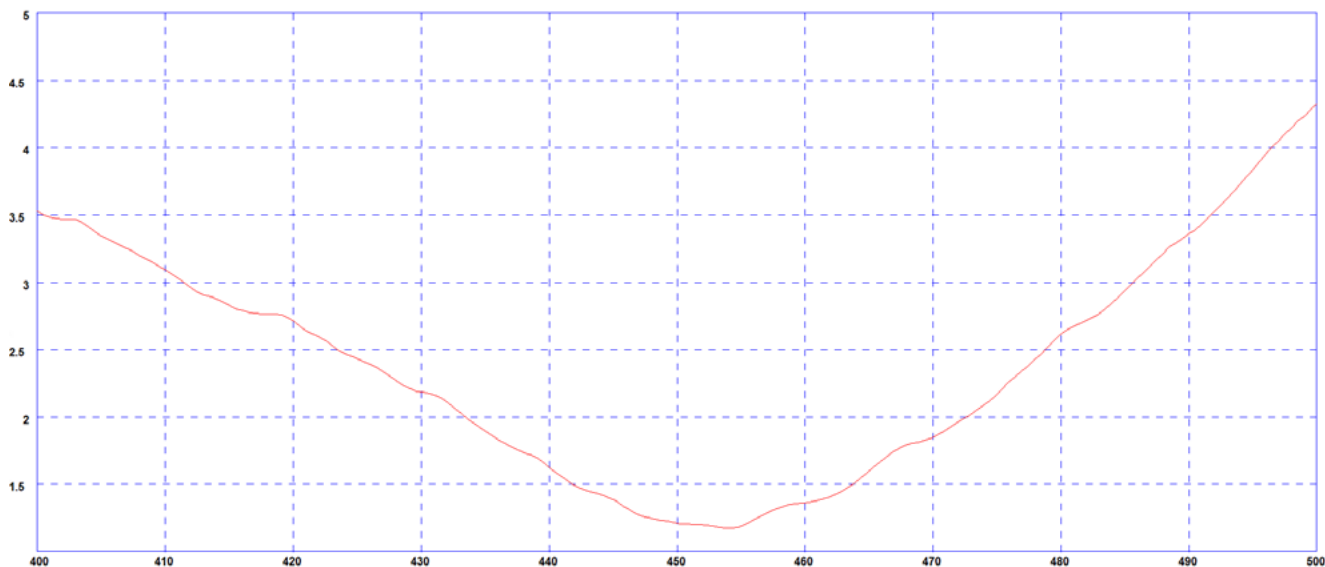
Diameter (mm) 5 (0.2")

Termination SMA plug (m)

\* Peak gain and VSWR measured in free space with 0.75m (30") of CS23 cable

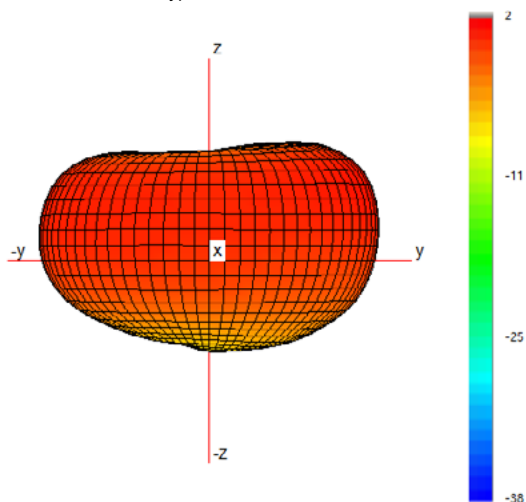
Electrical Data

Typical VSWR\*



\*VSWR measured in free space with 0.75m (30") of CS23 cable

Typical 3D Pattern - 453MHz



Typical H Plane Pattern - 453MHz

