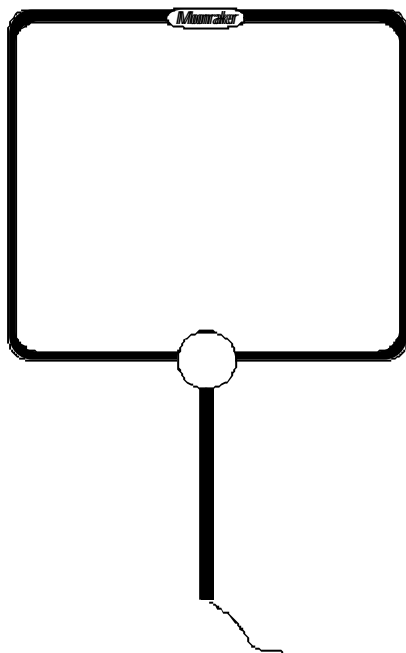


MOONRAKER

Type BC Loop

For directional MF broadcast reception

Designed as a high efficiency receiving antenna for the MF Broadcast Band (530-1650 KHz), where directional reception and electrostatic screening can be used to advantage.



Compact and unobtrusive, the BC Loop does not detract from the environment and is well suited to school, hospital, motel, betting shop and oil rig applications. It is constructed from marine grade aluminium alloy tubing, coated with black PVC, and has a bronze tuning box and galvanised iron mounting tube. No maintenance is required.

The BC Loop has a broad maximum signal pickup pattern in the plane of the loop and two sharp deep nulls broadside to the loop. The loop pickup pattern may be used to improve weak signals in the presence of strong local signals or to null out noise interference. The electrostatic screening of the loop ensures minimum interference from nearby objects and a symmetrical pattern.

The antenna may be easily tuned on site to the station required. It is not suitable for multi-frequency or broadband reception.

Specifications

MF Broadcast Band	530-1650 KHz
Loop	12.5mm (0.5 in) dia. tubing formed into 600mm (24 in) square loop
Pattern	Figure 8 with maxima in plane of loop and minima at 90° to plane of loop. Pattern applies to vertically polarised waves only and may be modified by signals having horizontally polarised or skywave component.
Polarisation	Vertical
Frequency Range	May be pretuned to any specified single frequency within the range 530-1650, or easily tuned on site
Impedance	75Ω
Wind Loading	1.95 kg at 100 km/h (4.3 lbs at 60 mph) 3.5 kg at 130 km/h (7.6 lbs at 81 mph)
Mountings	20mm (0.8 in) dia x 760mm (30 in) long tube with rubber blocks and galvanised saddles
Connection	Terminals for small diameter 75Ω RF type coaxial cable (not supplied)
Packed Weight	2.5 kg (5.5 lbs)

Specifications subject to change 3/98

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