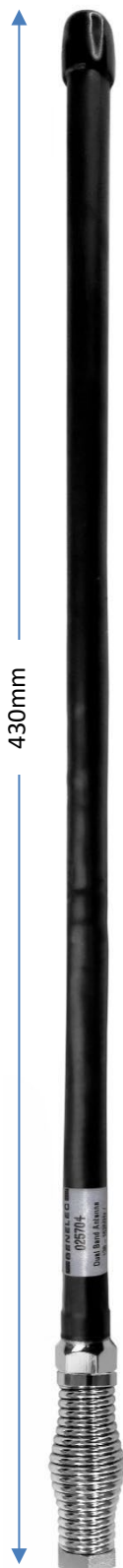


DATASHEET

SKU: 025704

Benelec Dual Band VHF & UHF Mobile Grounded Antenna 157-174MHz / 400-480MHz



The 025704 antenna is a unity gain dual-band ground-dependent antenna covering both the bands 157-174MHz and 400-480MHz. It comes complete with a flexible radiator and stainless-Steel Spring. It is ideally suited to emergency services. This antenna has dual-band integration and comes with one base termination for both bands. The 5/16" 26TPI female thread is designed to be used on standard UHF Australian bases. e.g. 02740.

APPLICATIONS

LMR mobile vehicle applications.

TUNING

Factory tuned

FEATURES

- Dual Band operation
- Broad bandwidth
- Stainless Steel bellied Spring
- Rugged Flexible Radiator
- Mounting to standard UHF bases

MOUNTINGS

Suitable for UHF base 5/16"26TPI male (e.g.: 02740).

Metal roof mounting or light bar mounting (reduced performance).

SPECIFICATIONS

Frequency	157-174MHz and 400-480MHz
Gain	Unity both bands (at 0°ele)
VSWR	< 2:1 both bands
RF Power Rating	50w
Impedance	50Ω nominal
Polarisation	Vertical
Termination	5/16"26TPI Female
Power Rating	50 watts
E Plane 3dB Beam Width	80 deg both bands
H Plane 3dB Beam Width	360 deg both bands
Antenna Weight	0.185 kg
Antenna Length	430 mm

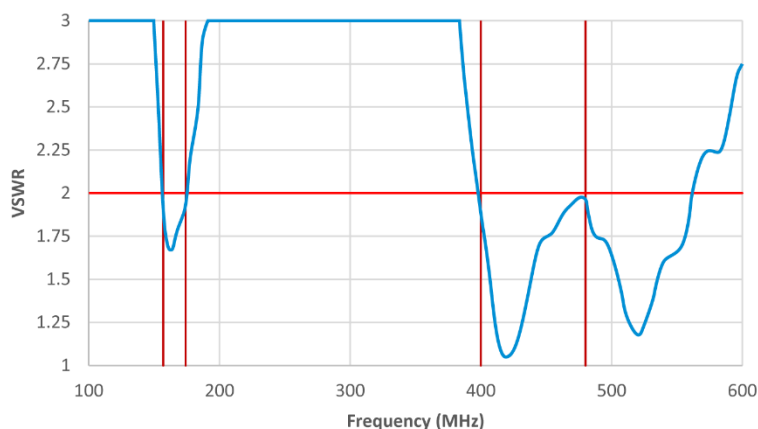
PACKAGING

Plastic bag, G.W. 0.19kg

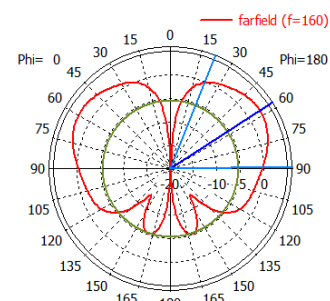
WARRANTY

3 years (Please refer to
[Benelec Terms & Conditions](#))

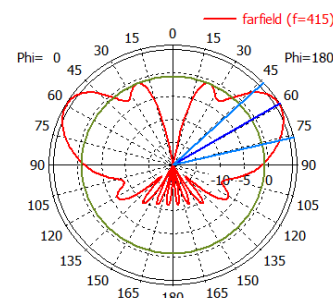
VSWR



RADIATION PATTERN



Frequency = 160 MHz
Main lobe magnitude = 2.69 dBi
Main lobe direction = 57.0 deg.
Angular width (3 dB) = 67.2 deg.
Side lobe level = -8.1 dB



Frequency = 415 MHz
Main lobe magnitude = 5.77 dBi
Main lobe direction = 59.0 deg.
Angular width (3 dB) = 30.0 deg.
Side lobe level = -6.6 dB

Website: benelec.au