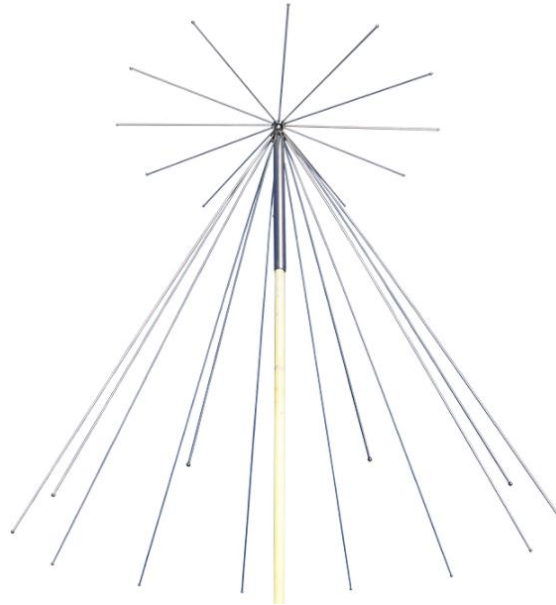


DATASHEET

SKU: 02676

Benelec Discone Broadband Antenna 12×12 Elements 50-1000MHz



The 02676 is a Rx only discone antenna operating across the 60-1000MHz Radio Band. With twelve elements instead of six, it offers better VSWR and radiation pattern performance than the 02675 antenna. The lightweight construction makes it ideal for simple installations, and at the same time affords a low wind loading resistance. It is manufactured with removable stainless steel radials, making it suitable to applications where rapid deployment is required. It can also be used satisfactorily for permanent installation.

APPLICATIONS

Radio reception in all Commercial Radio Bands.

TUNING

Factory tuned, no further tuning required.

FEATURES

- Wide bandwidth
- Rugged Construction
- Removable Radiating elements

OPTIONAL MOUNTINGS

Please refer to our website for all 16mm Mountings and optional Coaxial Adaptors

SPECIFICATIONS

Frequency Range	See Table on page 2
Gain	See Table on page 2
Impedance	50 Ohms nominal
Polarisation	Vertical
Radiation	Omnidirectional
Termination	UHF Female
Mounting Tube	32 mm Dia, 1100 mm length
Antenna Length	0.95 metres
Antenna Width	1.15 Meters Across cone base
Antenna Weight	1.30 kg
Wind load @ 160 KPH	1.62 kg

PACKAGING

Cardboard Tube: 1260 (L) x 55 (Dia) mm, 1 antenna per tube, Gross Weight: 1.9kg

WARRANTY

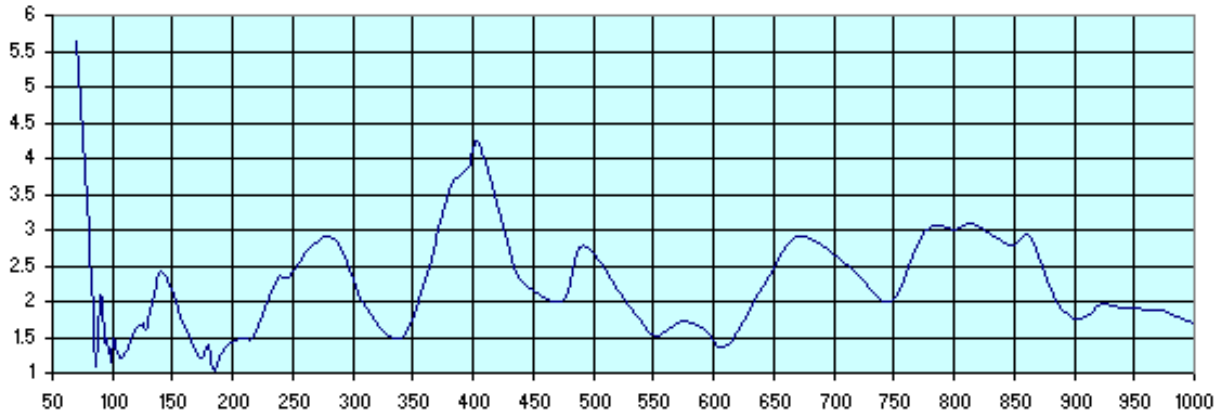
3 years (Please refer to [Benelec Terms & Conditions](#))

Website: benelec.au

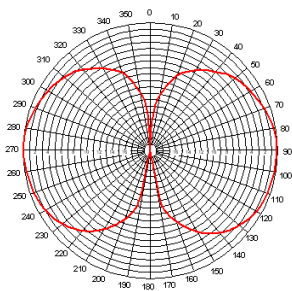
Frequency MHz	Gain (dB)	Tuned Bandwidth	Operating VSWR	Input Impedance	Vertical Beamwidth	Horizontal Beamwidth
60 - 1000	See Below	85-130 MHz	2.0:1 Max	50 ohms (Nominal)	See Below	See Below
		80-370 MHz	2.8:1 Max			
		80-250 MHz	2.5:1 Max			
		370-430 MHz	4.0:1 Max			
		430-650 MHz	2.7:1 Max			
		650-820 MHz	3.1:1 Max			
		820-960 MHz	3.1:1 Max			
890-1000 MHz	2.0:1 Max					
60	*-1.00				85°	Omni
140	*0.00				85°	
260	*-3.00				60°	
360	*-3.00				See Pattern	
560	*-10.0					
800	*-9.0					

* Gain is measured on the Horizon, for further detail see relevant Radiation Patterns.

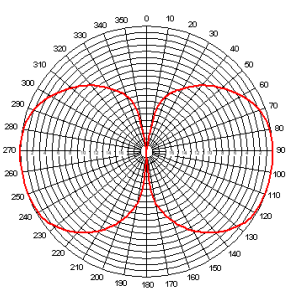
VSWR



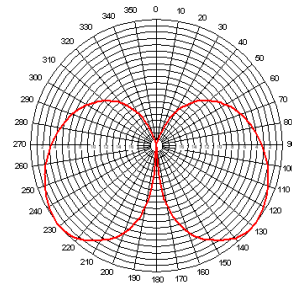
RADIATION PATTERNS



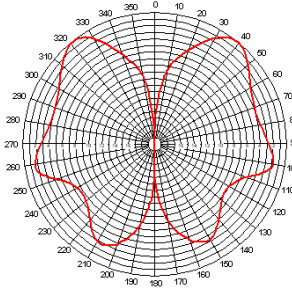
60 MHz E PLANE



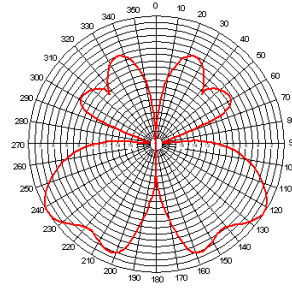
150 MHz E PLANE



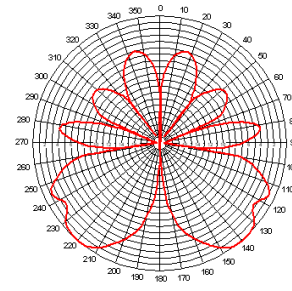
260 MHz E PLANE



360 MHz E PLANE



560 MHz E PLANE



800 MHz E PLANE

Website: benelec.au