DATASHEET

SKU: 02591X

Benelec VHF Unity Gain Base Station/Marine Antenna

291MHz | N Socket

The Benelec 02591X is a compact, rugged antenna designed for reliable operation in base station and marine environments. Factory tuned to 291 MHz, it features a 32 mm diameter mounting tube, rugged white fiberglass radome, IP65 weatherproof rating, and DC grounding make it a dependable choice for harsh environments. With unity gain (0 dBd) and a wide radiation angle, the 02591X provides excellent performance for short to medium-range communications, particularly on unstable platforms such as vessels at sea.

FEATURES

- Unity gain for wide-angle coverage
- Rugged Fibreglass radome
- 32 mm Ø mounting tube
- IP65 weatherproof construction
- DC grounding
- Factory tuned; requires no further tuning
- Designed and manufactured in Australia

APPLICATION

Base station and marine environments

SPECIFICATIONS

Frequency	Centred on 291 MHz
Gain	0 dBd (~3 dBi)
VSWR	<1.5:1 10MHz. <2.0:1 20MHz
Impedance	50 Ω nominal
IP Rating	IP65
Temperature Rating	-10 °C to +50 °C

Power	100 W
Termination	N socket (fixed)
Wind Loading @160 KPH	3.27 kg (32.06 N)
Length	850 mm (including connector)
Diameter	32 mm
Net Weight	720 g

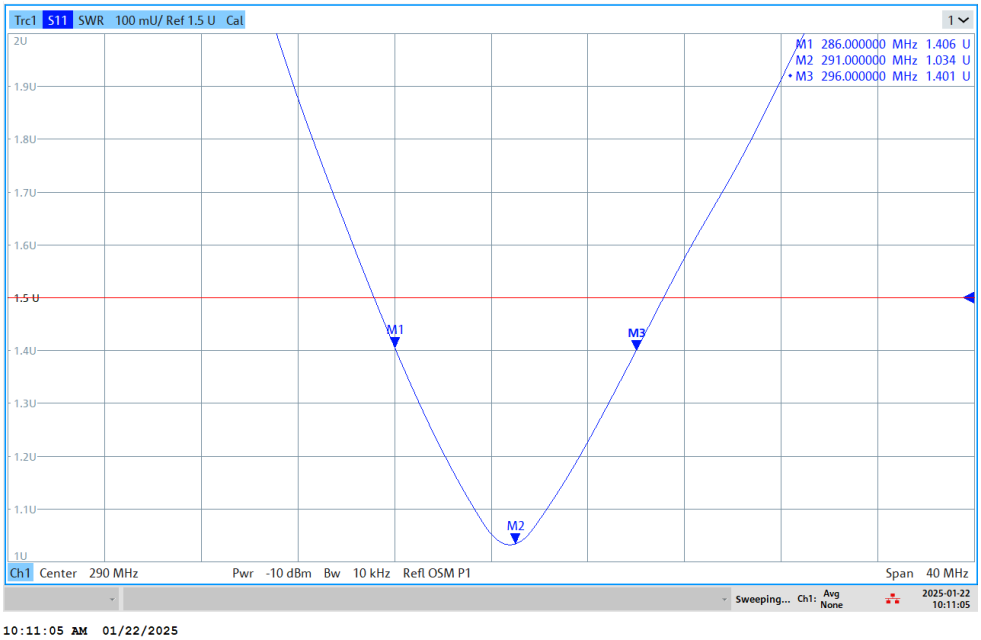
PACKAGING

Individual Packaging
Cardboard Tube, One Antenna Per Pack
Tube Dimensions: 900 x 50 mm
Gross Weight: 1.07 kg

WARRANTY

3-Year Warranty
(Refer to Benelec Terms and Conditions)

VSWR



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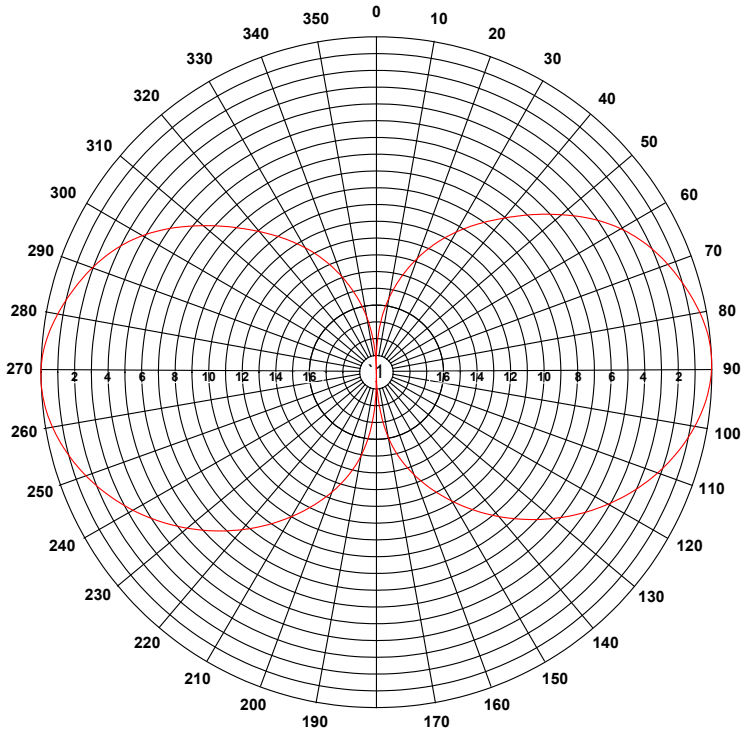
RADIATION PATTERNS



DESIGNED & MADE IN AUSTRALIA EST. 1978