

ZN6-157-25

Heavy-duty high gain VHF communications collinear VHF 156-162 MHz

The ZN6-157-25 heavy-duty 'barrel' spring base collinear offers high gain and an omnidirectional signal pattern in a vehicle mounted antenna.

The ZN6-157-25 is ground independent and does not require a metal ground plane to operate effectively. Suitable for large 4WD's, trucks, heavy machinery or any locations where heavy-duty construction is required.

Mounting brackets, adaptors and other installation accessories are all available separately.

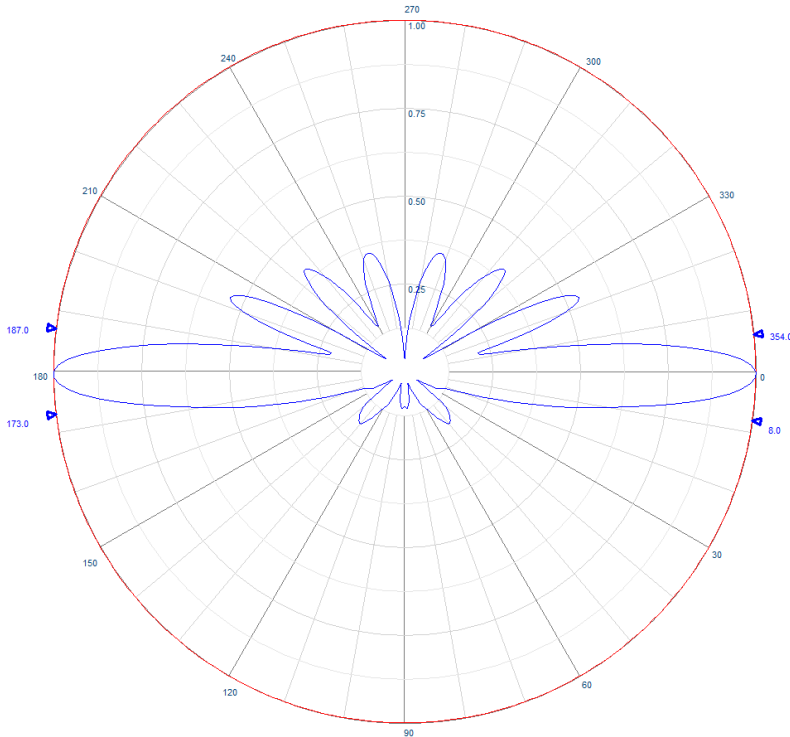
Construction	White tapered fibreglass radome, chrome ferrule, mount adaptor heavy-duty stainless steel 'barrel' spring base, external coaxial cable and termination
Frequency range	156-162 MHz - VHF
Bandwidth	Full frequency range stated - 6 MHz
VSWR	Better than 1.5:1 - 154-160 MHz Better than 1.8:1 - 152-154 MHz & 160-162 MHz
Tuning	Factory
Gain	5.1 dBi
Maximum power	50 Watts
Impedance	50 Ohms
Polarisation	Vertical
H Plane	360° omnidirectional ± 0.5 dBd
Cable	4.5 metres white RG58A/U, side exit from ferrule
Connector	BNC male fitted to cable for ease of installation or specify requirements
Height	2.5 metres
Weight	1.5kg
Mounting hardware order separate	Bullbar: BBM-SS, BBML-SS, BBMXL-SS or BBKB-B Bracket Mounting: GM1, GM2, GM6 or A-6211
Mounting position recommended	As high on your vehicle as possible using a minimum 13mm hole or appropriate bracket with a 13mm hole
Installation tools required	19mm or 3/4" spanner for spring base bolt securing A small amount of thread locker can be applied onto bolt or adaptor for long term installation



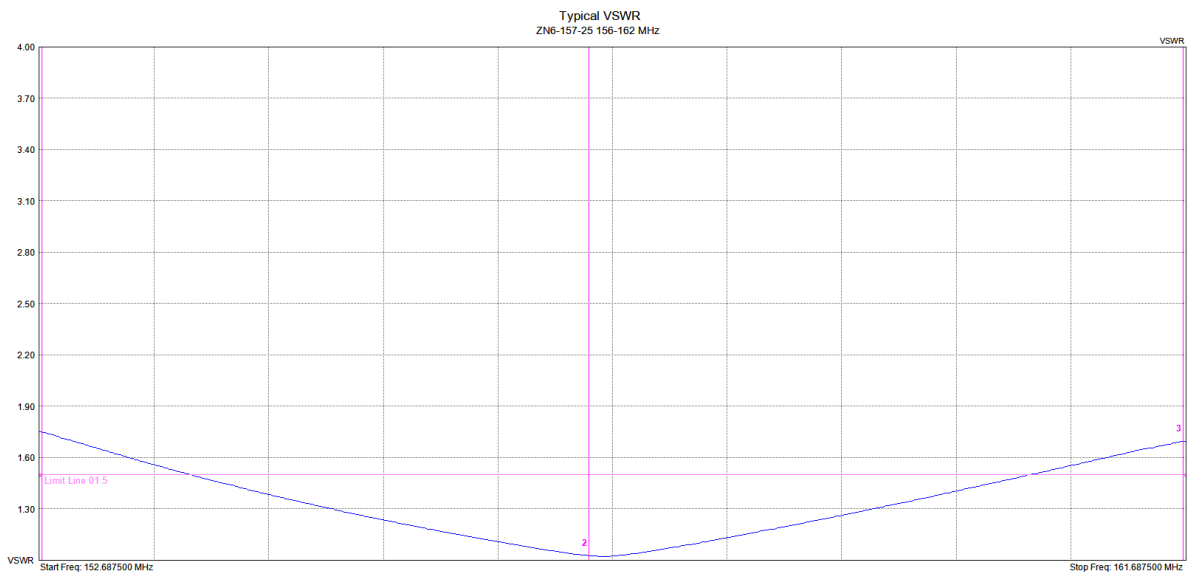


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Example radiation pattern



Mtr	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input type="checkbox"/>	<input type="checkbox"/>	152.704 MHz	1.75VSWR	--	--
2	<input type="checkbox"/>	<input type="checkbox"/>	157.000 MHz	1.02VSWR	--	--
3	<input type="checkbox"/>	<input type="checkbox"/>	161.671 MHz	1.70VSWR	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical VSWR



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Recommended installation accessories



BBM-SS - wrap around bull bar mount, up to 50mm diameter bull bar tube

16mm mount hole

Requires 10mm spanner



BBML-SS - wrap around extra large bull bar mount, up to 65mm diameter bull bar tube

16mm mount hole

Requires 10mm spanner



BBMXL-SS - wrap around extra large bull bar mount, up to 76mm diameter bull bar tube

16mm mount hole

Requires 10mm spanner



BBKB-B - Knock-down antenna mount, powder coated black

16mm mount hole with 5.5mm cable hole



ATLM series - Adjustable bonnet, boot and door jam mount. 360 rotational and 140 degree adjustment

16mm mount hole

Black or Chrome

Includes 5mm and 2mm allen keys



Alternate Spring base

A-1269 - 'Barrel' stainless steel spring base with 1/2"-12 BSW bolt and spring washer

Can be fitted during manufacture

Requires 19mm or 3/4" spanner




Alternate Spring base

A-1269-14 - 'Barrel' stainless steel spring base with 50mm base extension. Suitable for behind bull bar mounting or wing mirror bracket mounting

Can be fitted during manufacture

Requires 19mm spanner



Alternate Spring base

A-1269-7 - 'Barrel' stainless steel spring base with threaded stud and split nut

Can be fitted during manufacture

Requires 19mm spanner

Typical alternate Connectors



SMA male termination

Suits CEL-Fi go device or telemetry device.

Also available in right-angle configuration or alternate gender



N-type male termination

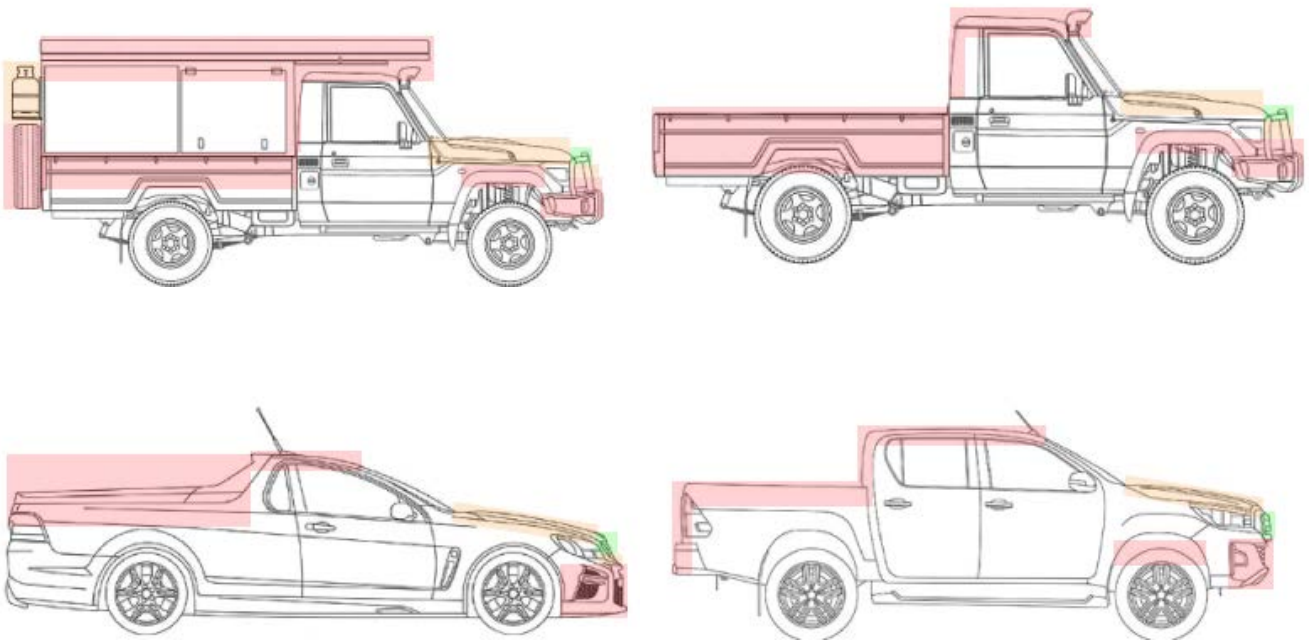
Suits telemetry devices




Also available in right-angle configuration or alternate gender

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Vehicle Mounting locations



-  Best/Recommended location for mounting
-  Suitable mounting locations
-  Not suitable mounting locations