Australian manufactured in East Gippsland

Build To Order

SGLDB-BLKR

Light to medium-duty mobile phone & wireless data improvement

All networks 4G/3G 825-960 & 1710-2190MHz

The SGLDB-BLKR series of super gain, lightweight all-black mobile phone network antenna offers fine performance combined with our robust tried and tested ZCG quality construction.

The SGLDB-BLKR is identical in appearance to the SGL477-BLKR UHF CB 477MHz and SGL1100-BLKR AM/FM radio receive.

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

Construction	Black fibreglass radome, black aluminium mount ferrule, black stainles steel parallel spring and cable assembly
Frequency range	All networks 4G and 3G 825-960MHz and 1710-2190MHz Telstra, Optus & VHA within Australia
Bandwidth	Full frequency range
VSWR	<1.6:1
Tuning	Factory
Gain	6.2 dBi 825-960MHz and 3 dBi 1710-2190MHz
Maximum power	30 Watts
Impedance	50 Ohms
Polarisation	Vertical
H Plane	360° omnidirectional
Cable	5 metres MIL-SPEC RG58 low loss, solid core, bottom exit from spring base
Connector	FME female fitted to cable - for ease of installation
Height	750mm
Weight	650grams
Mounting hardware order separate	Bullbar: BBM-SS, BBML-SS, BBMXL-SS or BBKB-B Truck Mirror: MRM-SS Bracket Mounting: GM1, GM2, GM6, A-6211 or ATLM
Mounting position recommended	As high on your vehicle/structure as possible using a minimum 16mm hole or appropriate bracket with a 16mm hole
Installation tools required	22mm spanner for base nut securing

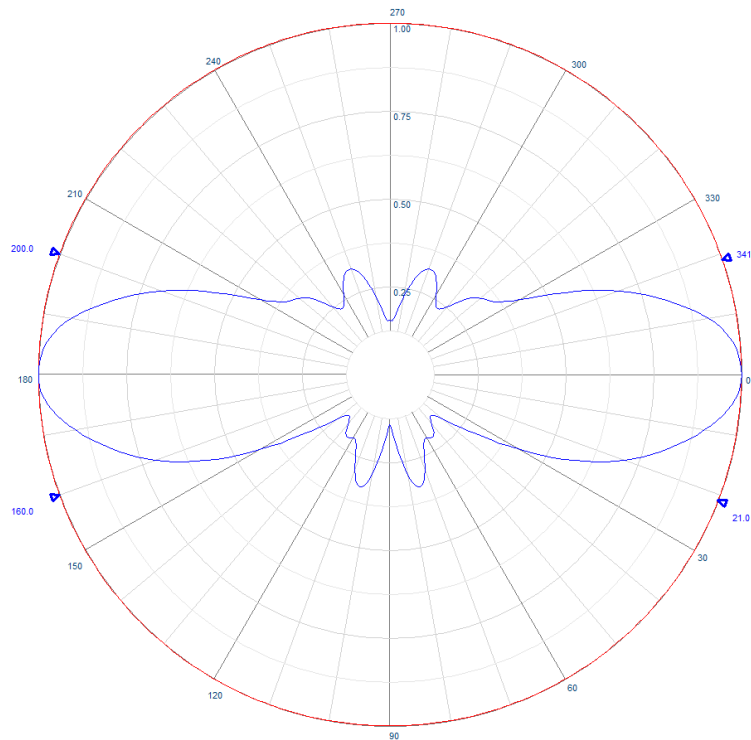Light to medium-duty parallel spring to maintain vertical polarisation

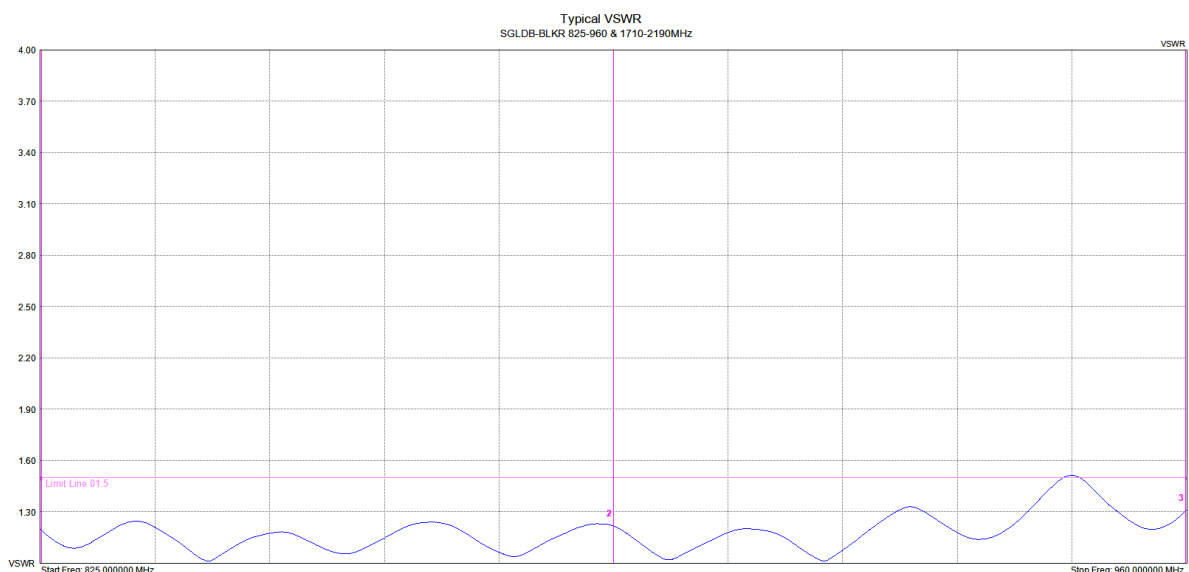FME female fitted to cable as standard or specify requirements

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www.zcg.com.au

1 Year Manufacturers Warranty
Terms & Conditions apply.

Specifications are subject to change without prior notice

Updated 16th October 2023

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Example radiation pattern

Typical VSWR
SGLDB-BLKR 825-960 & 1710-2190MHz

Mkr	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	☐	☐	825.061 MHz	1.19 VSWR	- -	- -
2	☐	☐	892.531 MHz	1.22 VSWR	- -	- -
3	☐	☐	959.939 MHz	1.31 VSWR	- -	- -
4	☐	☐	- -	- -	- -	- -

Typical VSWR at 825-960MHz

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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

17mm mount hole with cable slot

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

GM1 - 304 stainless steel 'L' mount bracket
16mm mount hole

MRM-SS - 304 stainless steel clamp style mirror mount

16mm mount hole

Requires 10mm spanner

Typical alternate Connectors

SMA male termination
Suits mobile device or CEL-FI Go device.

Also available in right-angle configuration, alternate gender or reverse polarity
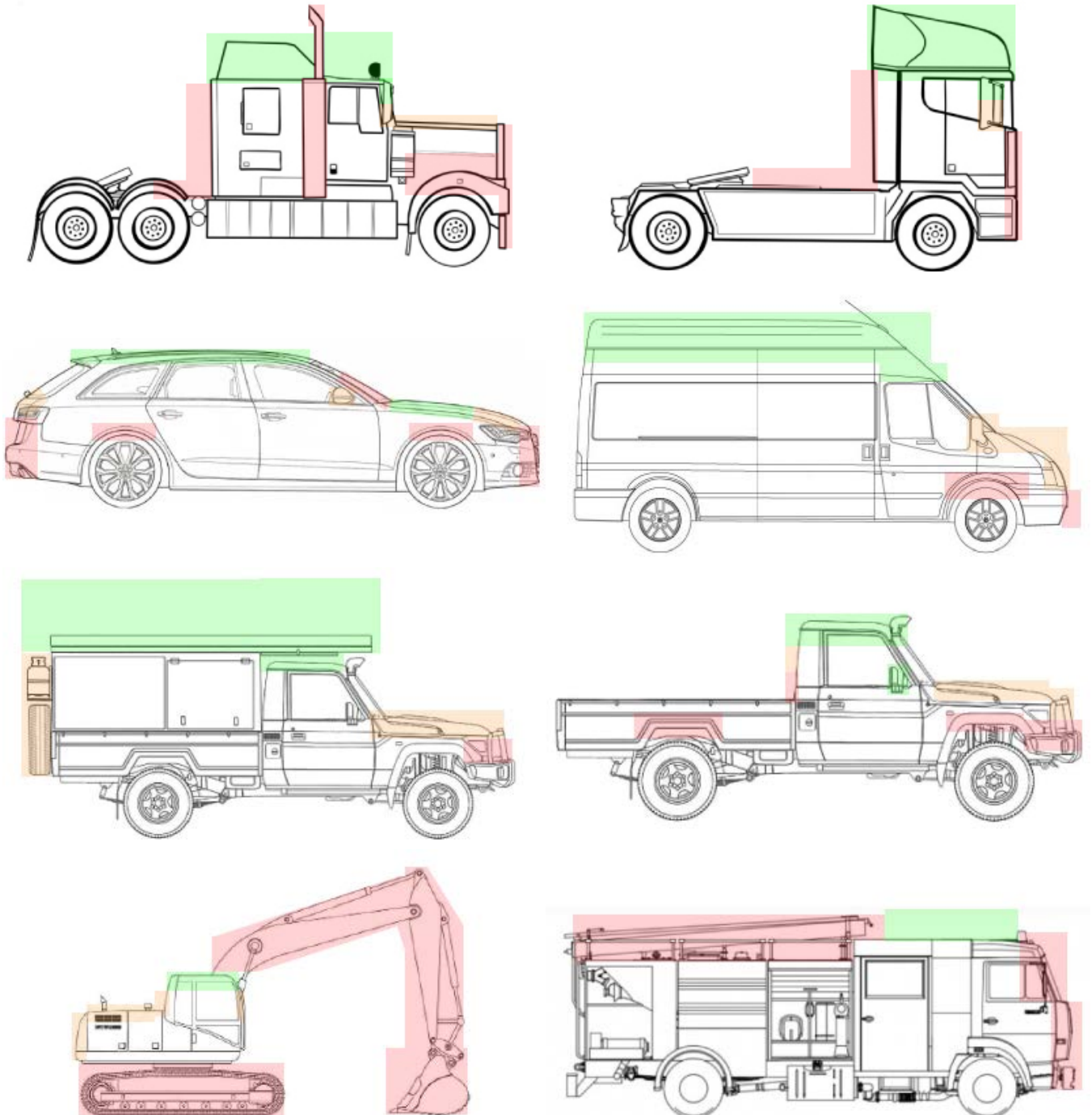
N-type male termination
Suits telemetry devices

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

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