

PRODUCT DESCRIPTION:

The MISC-A0051 is highly robust, high strength magnetic mounting base to allow the direct connection of antennas, such as manpack antennas, on a vehicle or other metallic surface on a temporary or permanent basis.

The product has been specifically designed for maximum magnetic coupling, even to thin sheet metal surfaces, such as found on body panels of most modern vehicles. It is also able to couple to thicker sheet metal surfaces, typically found in armoured vehicles, with a great deal of effectiveness.

The product is ideal when used in conjunction with our range of manpack antennas, e.g. the OMNI-A0140, OMNI-A0124.

PRODUCT FEATURES:

- Small and light
- Very high gripping strength to all metal surfaces
- Low loss, rugged 4 m RG223 cable assembly

APPLICATIONS:

- Extension of antenna cable
- Support antennas for IED suppression
- Temporary antenna deployment on vehicles, shelters

SPECIFICATIONS:

Product codes:			
MISC-A0051		N-type connectors	
MISC-A0051-01		7/16 connectors	
MISC-A0051-02		7/16 connector (on base) and SMA(m) connector (on cable end)	
	MISC-A0051	MISC-A0051-01	MISC-A0051-02
Electrical:			
Frequency range	DC – 8000 MHz	DC – 2500 MHz	DC – 2500 MHz
VSWR	< 1.2:1 typical	< 1.5:1 typical	< 1.5:1 typical
Nominal input impedance	50 Ω	50 Ω	50 Ω
Connector on base	N-type female	7/16 female	7/16 female
Connector on pigtail	N-type male	7/16 male	SMA male
Cable type	RG223	RG233	RG233
Pigtail cable length	4 m	4 m	4 m
Power handling	See graph	See graph	See graph
Mechanical:			
Deployed dimensions (h x d)	75 mm x 100 mm	80 mm x 100 mm	80 mm x 100 mm
Colour	Upon request	Upon request	Upon request
Total mass	1.3 kg	1.4 kg	1.3 kg
Typical bending moment required to detach on thin sheet steel surfaces	20 Nm	20 Nm	20 Nm



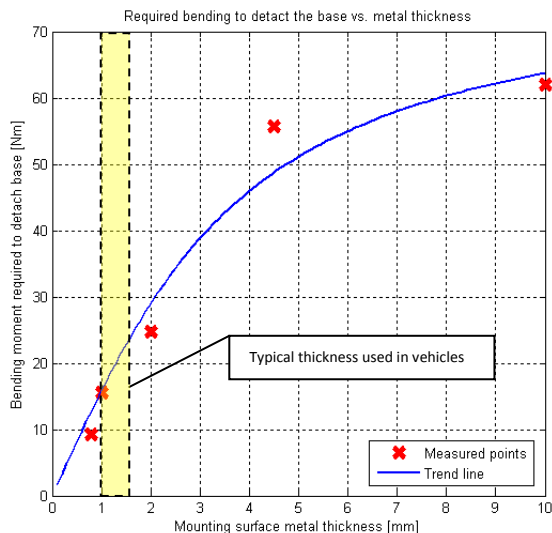
High-Strength Magnetic Mounting Base

DC – 8000 MHz

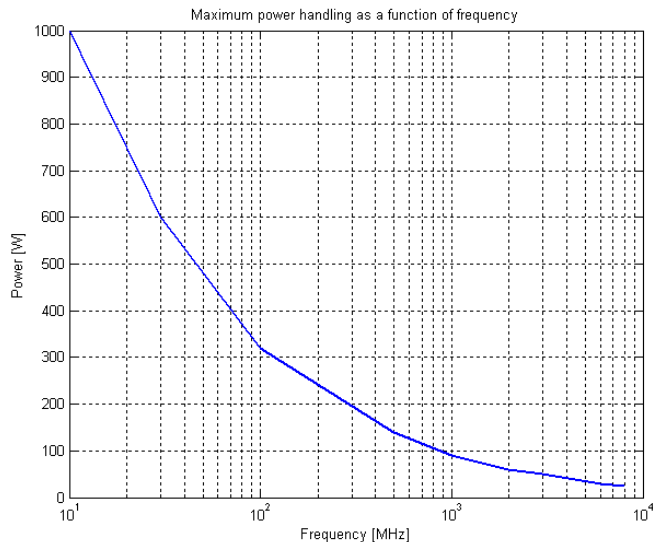
Product Code: MISC-A0051

VERSION: 3.1

MAGNETIC COUPLING STRENGTH



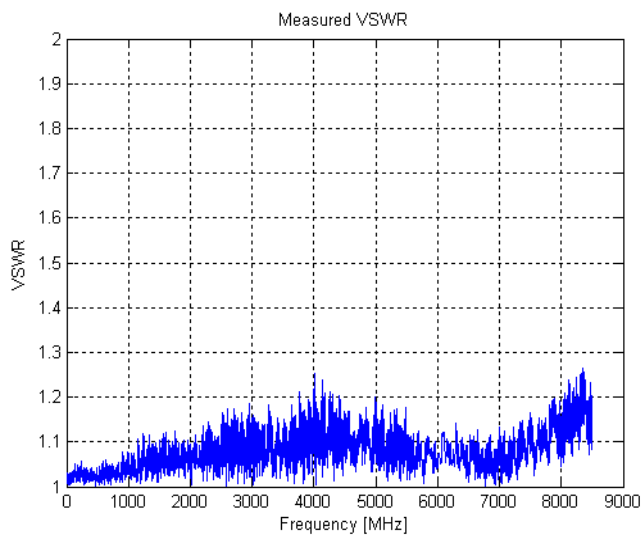
RF POWER HANDLING*



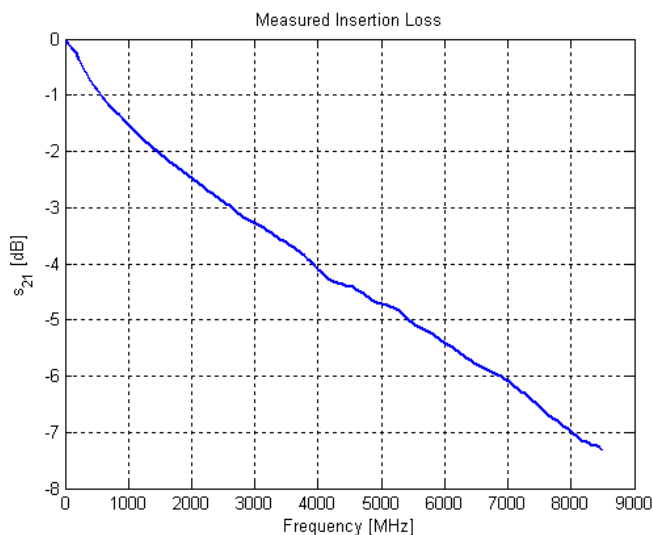
* NOTE: Power handling assumes perfectly well matched antenna.

ELECTRIC PERFORMANCE:

VSWR



INSERTION LOSS (incl. 4 m lead)



High-Strength Magnetic Mounting Base

DC – 8000 MHz

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Photos of typical deployment:

