

SPECIFICATIONS:

Product codes:	
DIPL-A0070	Standard version 120W
DIPL-A0070-01	High power version 400W
Electrical:	
Frequency range	30 – 88 MHz
VSWR	< 3:1 (see graph)
Nominal input impedance	50 Ω
Connector	BNC female
Feed power handling	DIPL-A0070: 120 W CW DIPL-A0071: 400 W CW
Gain (max)	See graph
Polarisation	Vertical
Azimuth pattern	Omni-directional
Mechanical:	
Length x diameter (deployed)	4300 mm x 60 mm
Packaged length	1700 mm
Total mass	10 kg
Vehicular mounting (provided as standard)	NATO flange 4 and 6 holes detachable flexible base for rapid deployment on a vehicle
Mast mounting (provided as standard)	Adjustable mounting kit for diameter 40-100 mm masts
Material	Aluminium, fibreglass and stainless steel
Colour	Per request
Environmental:	
Wind loading	130 km/h
Temperature (operational)	- 40° C to + 70° C
Thermal shock	- 30° C to +60° C: 10 cycles
Water ingress	IP67

ELECTRICAL FEATURES:

- Omni-directional azimuth pattern
- Distributed loading is used to prevent elevation radiation pattern break up
- Excellent VSWR

MECHANICAL FEATURES:

- Waterproof
- Quick and easy assembly
- Compact packaging
- Rugged and hard-wearing
- Vehicular/flat roof and mast mounting capable

PRODUCT DESCRIPTION:

The DIPL-A0070 is a high-powered antenna that operates over the 30 to 88 MHz frequency band with a VSWR of less than 3:1. The antenna has an excellent radiation pattern and a consistently low VSWR across the entire frequency band. It can handle full rated power continuously at all frequencies, making it ideal for all 100% duty-cycle applications. The higher power -01 version provides for power levels up to 400 W. The antenna is easily disassembled into 3 sections that fit into a transport bag for compact storage and transportation.

Two mounting options are provided, a vehicular mounting system that allows for rapid deployment on vehicular platforms (still standing) or flat roofs, and a mast mounting kit that allows the antenna to be deployed atop masts. Custom mounting requirements can be provided on request.



Vehicular High Performance Dipole Antenna

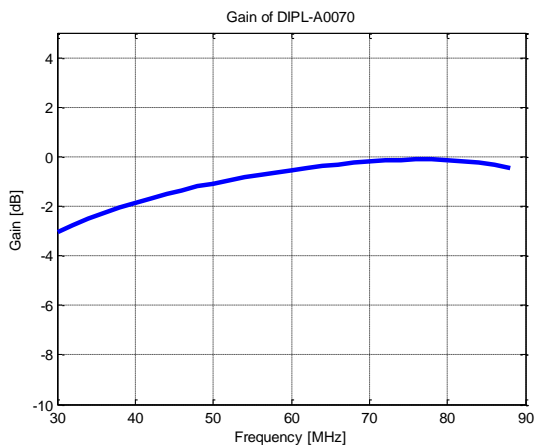
30 – 88 MHz

Product Code: DIPL-A0070

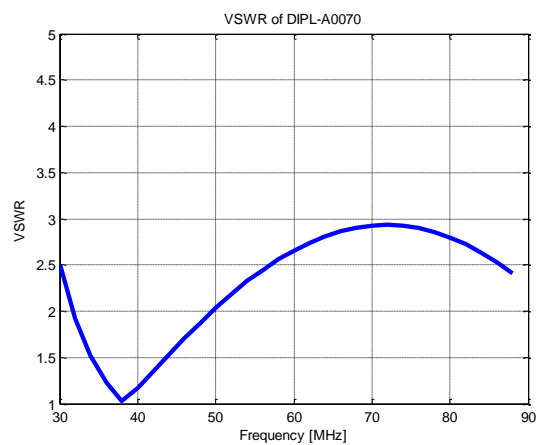
VERSION: 1.2

VSWR AND GAIN GRAPHS:

GAIN

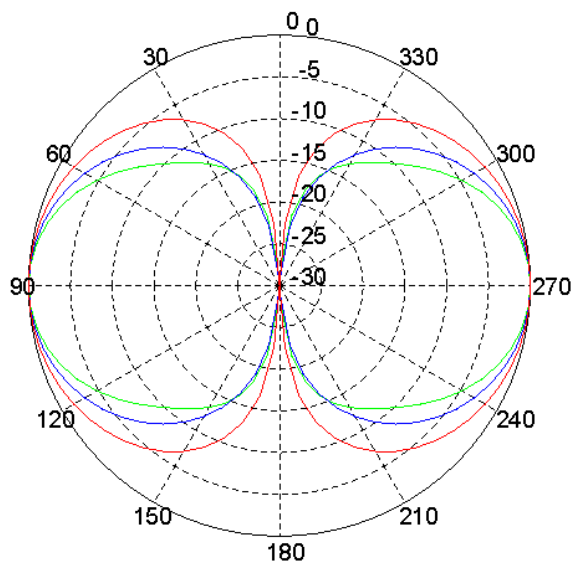
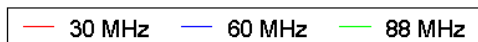


VSWR



ELEVATION PATTERNS

DIPL-A0070



Elevation Patterns

