

DRM-150

1.5m X & Ku Band

Vehicle Mount Terminal

holkirk

a SEMATRON  company

Eutelsat Characterised



1.5m High gain carbon fibre reflector

Up to 400w Integrated 1:1 Tx power

Fully enclosed aerodynamic cowl

Low stow height

Colour options available

BUC mounting on boom or within the cowl

Manual over rides on all 3 axis

X & Ku band options

Compact design

The DRM antenna is an ultra-compact dual band system which encompasses the drive control, positioning hardware and beacon receiver into the fully sealed and aerodynamic antenna enclosure, making the system a robust standalone sub-assembly ready to install onto almost any vehicle.

Versatile dual band operation

The dual band operation has been designed for effortless change over in the field. The feed, BUC and waveguide for each band is mounted on a simple and quick interchange cartridge which means the only connections you need to make are power, L-band and control

Ease of use

There are no tools required to change the band of operation. All satellite acquisition commands are performed via the simple and easy to use antenna controller unit. The DRM system is equipped with a GPS receiver, electronic compass and leveling inclinometers.

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1.5m Ku Band Vehicle Mount Terminal

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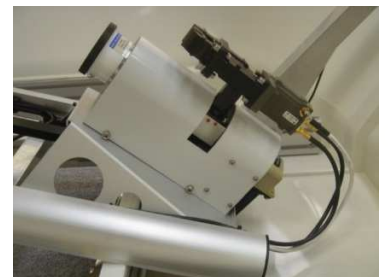
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Eutelsat Characterised
DSNG Antenna in Ku band

SPECIFICATION

Antenna

Reflector material	-	1.5m carbon fibre
f/D	-	0.78
Geometry	-	Single offset
Ambient Temperature		
Operational	-	-20°C to +55°C
Storage	-	-40°C to +70°C
Solar Radiation	-	1,200 W/m ²
Operating Humidity	-	100% Condensing
Altitude		
Operational	-	Up to 3,000m (9,850 ft)
Survival	-	Up to 10,000m (32,800 ft)
Wind Speed		
Operational	-	40 mph (65 kph)
Stowed	-	100 mph (160 kph)
Azimuth Range	-	± 220°
Elevation Range	-	5 - 90°
Stow Height	-	49 cm
Overall Length	-	192 cm
Overall Width	-	154 cm
Overall Weight	-	105 kg



Electrical Data

X Band

Gain Rx	-39.5 dBi
Frequency	-7.25 to 7.75 GHz
Gain Tx	-40.3 dBi
Frequency	-7.9 to 8.4 GHz

Ku Band

Gain Rx	-43.7 dBi
Frequency	-10.7 to 12.75 GHz
Gain Tx	-45.5 dBi
Frequency	-13.75 to 14.5 GHz

Accessories

Manual jog, auto-acquire or inclined orbit tracking controller | RF mounting options | High stability LNB | 3 port feed option for Ku band | 1:1 Redundancy

