



## MODEL GMC10-15

### FEATURES

High gain circular polarized mesh grid parabolic antennas suitable for L-band satellite communications by fixed or transportable stations.

These antennas have applications for the defence forces, emergency services, mining and exploration companies, rural communities and homestead, parks and wildlife outposts, etc.

The antenna is a broad bandwidth, directional circularly polarized model with the radiator element enclosed in a robust, impact resistant radome which is UV protected.

Adjustment is available from 0-90° for elevation and 360° azimuth.

### CONSTRUCTION

All welded aluminium construction, the finish is white powder coated for durability and a pleasing aesthetic appearance.

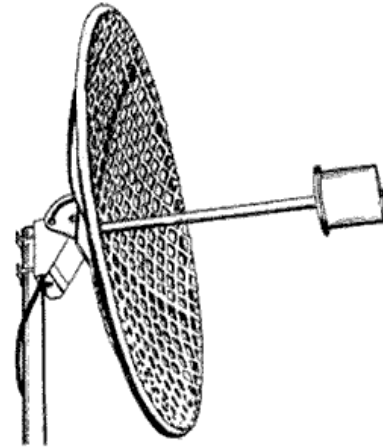
The antenna radiating element radome is filled with closed cell polystyrene foam to prevent moisture penetration and ensure constant electrical characteristics.

The antennas are designed with strong aluminium frames and extruded/formed mesh reflector surface to minimize weight, wind loading and corrosion.

### NOTES

Each model is supplied complete with mounting hardware for attachment to a vertical pipe (44-55 mm diameter).

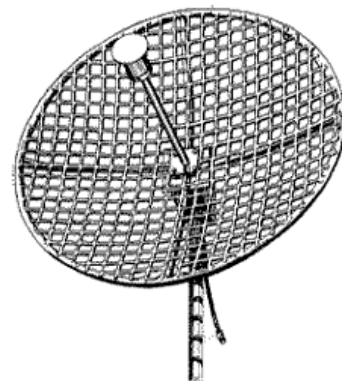
Individually packed in a wooden case for easy transportation.



GMC Series

<b>MODEL NO</b>	<b>GMC10-15</b>
<b>FREQUENCY RANGE</b>	1525 - 1660 MHz
<b>IMPEDANCE</b>	50 ohms
<b>BANDWIDTH</b>	135 MHz
<b>VSWR</b>	1.5:1(max)
<b>GAIN</b>	21.4dBi (gain low)
<b>GAIN</b>	21.7dBi (gain midband)
<b>GAIN</b>	22.1dBi (gain high)
<b>BEAMWIDTH</b>	12.7° (Midband)
<b>FRONT/BACK RATIO</b>	30dB
<b>POWER</b>	100 Watts (input)
<b>LIGHTNING</b>	DC GROUND
<b>TERMINATION</b>	'N' FEMALE
<b>DIAMETER Ø</b>	1000mm
<b>WEIGHT</b>	6.8kg
<b>FINISH</b>	WHITE POWDER COATED
<b>PROJECTED AREA</b>	0.26 m <sup>2</sup>
<b>LATERAL THRUST*</b>	0.450 kN (@ 175 km/h)

\* In accordance with AS 1170 : Part 2 "SAA Loading Code - Wind Forces"



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