

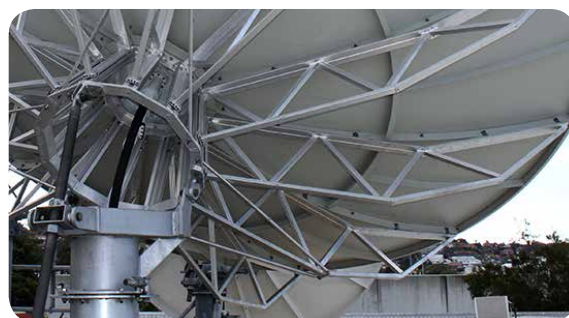


The Suman 4.5m C Band VSAT Satellite Dish is type approved for C Band applications and is ideally suited to VSAT or Television/RadioData uplinks. The Suman 4.5m C Band VSAT Satellite Dish utilises a dual reflector cassegrain feed assembly to maximise performance. The primary advantage of this design over that of other manufacturers is the ease of access provided by the cassegrain feed configuration allowing; alignment and maintenance to be carried out safely by eliminating the need for ladders or elevated work platforms. The Suman 4.5m C Band VSAT Satellite Dish's reflector is made from aluminium panels supported with a hot dipped galvanised steel hub; mounting hardware is stainless and galvanised steel, extending the operational life of the antenna beyond its competitors.

The Suman 4.5m C Band VSAT Satellite Dish is supplied as a complete antenna setup including a hot dip galvanised pedestal mount unlike Prodelin antennas that require the mount to be purchased as a separate item.

Main Features

- High efficiency and low sidelobes performance.
- Fast, repeatable installation without the need for cranes or hoists.
- Smaller components fit in elevators and through doorways thereby easing rooftop installation.
- High precision interchangeable components.
- Durability through special processes that resist rust and corrosion.
- Ease of maintenance.



Satellite Dish Specifications

cat# D1906

Parameter	Receive	Transmit
Frequency (GHz)	3.625-4.2	5.850-6.425
	*3.4-4.2	5.925-6.725
Gain at Midband	43.6dB	47.3dB
Sidelobes		
1st sidelobe	-14dB	-14dB
$100\lambda/D^{\circ} \leq \Theta \leq 48^{\circ}$	29-25Log Θ dBi	29-25Log Θ dBi
VSWR	1.25:1	1.25:1
Beamwidth	1.09°	0.71°
Typical G/T at 20° Elevation, Clear Horizon, 4Hz with 55°K LNA	24.8dB/°K (11.85GHz, with 90°K LNA)	
Feed Interface	CPR-229F	CPR-137G
Feed Insertion Loss	0.15dB	0.17dB
Cross Polarization Isolation		
On Axis	35dB	35dB
Within 1dB Beamwidth	30dB	30dB
Port to Port Isolation(Tx-RX with Filter)	≥85dB	
Axial Ratio (Circular Polarization)		
2 Port Tx/Rx	1.3	1.09

Mechanical Specifications	Parameters
Azimuth Adjustment	360° continuous
Elevation Adjustment	5° to -90°
Polarisation Adjustment	±90°

*Optional

PACKAGE INFORMATION

Dimension	200 x 200 x 200cm
Weight	1200kg
Parameter	
Wind Loading Operational	126km/h
Wind Loading Survival	198km/h