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**THE LEADER OF
SATELLITE ANTENNAS
MANUFACTURERS**



www.digisat.in

About Us

Digisat is one of the leading innovative designers and suppliers catering to the Global Direct to home (DTH) satellite networks. We have over 15 years of experience in engineering single key solutions and are a globally trusted Satellite Communications solution provider.

We deliver high quality, reliable Satellite Solutions to all markets globally for applications in DTH & Vsat Networks based on 0.6m, 0.9m Ku band Dish Antenna for Direct to Home technology, 1.2m, 2.4m & 3.8mtr VSATs and Mobile SNG/DSNG /FLYWAY Antennas.

We undertake turnkey execution, supply, and solution customization to build DTH/ VSAT/ Broadcast Gateways Earth Station Antennas, Satellite Teleports, including facilities for Remote Communications, Disaster Communications, Internet Access and Telemetry.

DIGISAT SKILL INDIA PVT LTD (www.digisat.in) is a leading satellite system integrator, innovative designer & end to end solution provider across the globe.

Krish Mehkarkar
Director

DTH Antenna Manufacturing Unit

Global coverage all Ku band DTH Antennas
(Ku-band 0.6m/0.9m/1.0m/1.2m Antennas off set Antennas)

Design, Manufacture, Powder Coating, as per your requirements, undertaken in our world-class in-house facility. We deploy fastest Shipping methods to deliver at your warehouse in the shortest possible time.

Digisat MANUFACTURING PLANT HIGHLIGHTS

A huge capacity for manufacturing more than 200,000 antennas per month.

In house set up consists all pneumatics/press machines, high end quality polyester powder coating plant, 100% inward & outward quality control, adequate packing and storage warehouse space.



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Manufacturing Unit



OUR PRODUCTS

Sky-Dish-ku-E-60-01 - for DishTV



Specification	
Reflector Type	Offset
Offset Angle	22°-26°
Short Axis	60cm
Long Axis	65cm
Efficiency	80%
Ku-Band Gain@ 12.5GHz	36.67dB
F/D Ratio	0.6
Focus Length	390mm
3dB Beam Width	< 3.0°
Material	Steel (CRCA)
Finish	Polyester powder coating (PP)
Colour	DISH -Grey



Mounting	
Mounting Type	Wall and/ or ground
Adjustment Type	Elevation/ Azimuth
Azimuth	0°to 360°
Pole Diameter	31.75mm

Environment	
Ambient Temperature	-40°C -60°C
Relative Humidity	0-100%
Can receiver	25m/sec
Can replace	40m/sec
Not damage	60m/sec

Antenna parts & Accessories List			
Item	Name	Dimension	QTY
1	Reflector	60× 65x 0.6	1
2	Rear Bracket	250x65x1.2	1
3	Mast /Mount	Φ31.75x1.2	1
4	Mast/Mount Clamp/Azel bracket	Φ36x1.2	1
5	Mast/Mount Support	28x285x1.2	2
6	Base\foot bracket	90x90x1.5	1
7	LNB Arm Square tube	13×26x0.8	1

Fasteners & Screws List			
Item	Name	Dimension	QTY
1	Carriage Bolts	M6×12	6
2	Carriage Bolts	M6×25	2
3	Hex Screw	M6×35	1
4	Hex Screw	M6×45	3
5	Cross hex screw	M6×25	2
6	Flange Nut	M6	12
7	Cross head screw	M4×20	1
8	Anchor bolts with plastic anchors	M6×50	4
9	Cover plastic cap	Φ32	1
10	LNB Holder /clamp	Id Φ 89	1
11	Metal washer	Id Φ 8	2

Packing Details			
Description of product	Dish Antenna 60cm ku band (reflector & accessories)	01	3.4kg nett weight
Model No.	Sky-dish-ku-E-60 -01		
Packing material	5 ply corrugated box & thermocole /corrugated Edges corners /packing strips		
NO OF Packing boxes	02		
Box 1 (70cm×80cm×21cm) (dish Reflector) 10 nos		19.80 kg	
Box 2 (dish Accessories) 10 nos		15.00 kg	
Total weight		34.50 kg	



SAMPLE TEST REPORT

Customer		Product Name	60cm Dish Antenna	DATE	
Model NO.	Sky-Dish-ku-E-60-01			QTY	1
Inspection Method	Full Check				
Item	Inspection Content	Inspection Requirement	Tool	Results	Conclusion
SIZE	CTF(Critical to function), CTA (Critical to assembly)	According to the production drawings	Vernier calliper	See Attachment	
Painting	Thickness	60-80 µm	Coating thickness Measurer by DFT meter		
Appearance	Painting Quality Standard		Visual Inspection	Non Apparent problem	
Adhesion test 3m tape	Painting Quality Standard		Cross-Cut Tester By knife		NO Peeling off
Salt Spray test		≥500 HRS	Salt spray test machine		See Salt spray test report
Assembly	Whole set assembly	According to the drawings	Manually	No Assembly problem	
Performance		Gain	Spectrometer		
LOGO Print			Colour		
LOGO SIZE			Tape Measure		
Fasteners & Screws	Size	According to the drawings	Vernier calliper	Match the drawings	
Salt Spray test	GB/T 10125-1997Zinc plated : ≥200hrs		Salt Spray test	See Salt spray test report	
Packing	Match with Fasteners & Screws list		Manual Check	Correct	
Packing	Packing	Match with Accessories List	Manual Check	Correct	
Carton box		Material; Size; Appearance		Vernier calliper; Tape Measure	
N.W			Electronic Scale		
G.W			Electronic Scale		
Note					
FINAL Conclusion : Qualified (✓) Non Qualified ()					

Approved by :
Date :

QC by. :
Date :

Sky-Dish-ku-E-60-02 - for D2h



Specification	
Reflector Type	Offset
Offset Angle	22°-26°
Short Axis	60cm
Long Axis	65cm
Efficiency	80%
Ku-Band Gain@ 12.5GHz	36.67dB
F/D Ratio	0.6
Focus Length	390mm
3dB Beam Width	< 3.0°
Material	Steel (CRCA)
Finish	Polyester powder coating
Colour	Havel's Grey

Mounting	
Mounting Type	Wall and/ or ground
Adjustment Type	Elevation/ Azimuth
Azimuth	0°to 360°
Pole Diameter	32mm

Environment	
Ambient Temperature	-40°C -60°C
Relative Humidity	0-100%
Can receiver	25m/sec
Can replace	40m/sec
Not damage	60m/sec

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