

Product : 3.7 M-big antenna series



Product description

Key Features

Molded SMC reflector with high precision and high consistency, not distortion.

Low-density and high-intensity; strong as steel and light as aluminum. The pressure proof capability of SMC is 12 times higher than aluminum.

The reflector is a multi-segment structure, easy for inter-exchange.

The reflector is corrosion-preventive, long-durable and long-service time. The lifetime of SMC antenna can be as long as 15-20 years.

Perfect match between the reflector and the specially-designed feed; high efficiency transmission and reception.

Motor-driven polar tracing mechanism for full orbit coverage.

Simply and easy to install and align.

Orange-peel like design of SMC satellite antenna reflector to avoid the damage of LNB, and reduce the interference on the signal by the rain droplets.

Technical Features : 3.7m

Electrical

Operating Frequency : C-Band : 3.7-4.2GHZ

Ku-Band : 10.75-12.95GHZ

Mid Band Gain : C-Band : 41.2 dB

Ku-Band : 50.0 dB

3dB beam-width : C-Band : 1.4°

Ku-Band : 0.5°

1st side lobe (typical) : -20dB

Cross-Pole Isolation : >30dB

VSWR : <1.3:1

Noise Temperature(Elevation=30°) : C-Band : 27 °K

Ku-Band : 22 °K

Elevation=20° :C-Band: 25°K

Ku-Band : 20°K

Feed interface : C-Band : CPR229

Ku-Band : WR75

Mechanicals

Reflector Material : 10 piece of Glass fiber reinforced unsaturated polyester SMC

Antenna Type : Prime Focus

Feed Installation : Single arm support / Three arms support

Elevation Adjustment Range : 0°-90° continuous fine adjustment

Azimuth Adjustment Range : 0°-360° continuous adjustment

Shipping Spec. : 220kg

Environmental Performance

Wind Loading : Operational : 22mps

Survival : 45mps

Temperature : Operational : -40°C ~ 60°C

Survival : -45°C ~ 70°C

Atmospheric Condition : Salt, Pollutants and Contaminants as Encountered in Coastal and Industrial Areas