3.0- Meter Dual-Reflector C-, Extended C-, Ku-Band

SM-T3.0R 3.0m Satellite Communication Antenna is specially designed and manufactured by Suman Satellite Technology Company for the uninterrupted expanded VSAT system in the world. This type of antenna is one of high quality and low price products to the satellite communications in the world antenna market.

As adopted the theory of Com-Ring Focus to design and the superior precision means to manufacture and test, SM-T3.0R antenna has good RF and mechanical specifications and many other synthesized comprehensive virtues.

Features:

- high efficiency.
- fine sidelobes characteristics, RF patterns meeting the requirements of the recommendation of CCIR 580-IV (ITU-R, S.580-5 and S.465-5).
- framework of fastness and stabilization to the antenna can bear the survival wind speed of 55m/s.
- favorable withstanding erosion and rust capability as full-aluminum materials to be used above the antenna's hub and the coat of all of steel parts to be processed by heating soak zinc.
- every parts have highly processed precision and no need marks on the parts when installing, it will not bring to reduce the precision for whole of antenna when installing repeated.
- especially noted for extremely convenient to install it, easy and fast to aim it at the satellite.

Type Approvals or Compliances:

- ITU-R, S.580-5 and S.465-5
- APSTAR
- ASIASAT
- CHINASAT
- CHINA ORIENTSAT
- SINOSAT
- INTELSAT
- EUTELSAT
- ST-1
- INDOSAT

There are three kinds of different standard that can be selected by users:

- SM-T3.0RC for C-Band
- SM-T3.0RC/E for Extended C-Band
- SM-T3.0RK for Ku-Band

Antenna's main parts:

- reflector ----- 8 pieces, made of alloy-aluminum, painting white color.
- radial ----- 8 pieces, alloy-aluminum, anodized coat.
- hub ----- aluminum casting, anodized coat.
- pedestal ----- steel, surface processed by heating soak zinc.
- OMT ----- aluminum casting, anodized coat, with transmit reject filter.
- feed-horn ----- ripple type, aluminum casting, anodized coat.
- adjust mode ----- manual, self-existent EL axis and AZ axis to be adjusted with EL leading screw and AZ leading screw.

Options:

- Non-penetrating mount
- Mounting kits for ODU
- Motor drive system
- Withstand-wind support
- Circular polarized

Complete feed component for Tx/Rx:

- OMT
- Reject transmit filter
- Waveguide to coaxial adapter with N type connector (F)

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