

TA-2518 Solid Parabolic 2485-2700 MHz



TA-2518

The TA-2518 is an 18 inch diameter solid parabolic antenna. The antenna feed is bolted to the aluminum reflector so the polarization can easily be changed in the field by rotating the antenna through 90 degrees. A full radome (TA-2518R) is also available for extreme weather conditions.

Electrical Specifications

Frequency Range: 2485-2700 MHz
Gain: 19 dBi
VSWR: 1.35:1 (1.5:1 for TA-2518R)
Front to Back Ratio: 25 dB min.
Polarization: Vertical or Horizontal
Power Rating: 100 Watts
H-Plane Beamwidth: 18 degrees
E-Plane Beamwidth: 20 degrees
Cross Pol. Discrimination: 25 dB
Impedance: 50 ohms nominal
Termination: N female

Typical mid band values. (For details , contact factory)
 Specifications subject to change without notice

Mechanical Specifications

Diameter: 19.25 in. (489 mm)
Depth: 8 in. (204 mm)
Weight (Incl. Clamps): 12 lb. (5.5 kg)
Rated Wind Velocity: 125 mph (200 km/h)
Hor. Thrust at rated wind: 136 lb. (61.8 kg)
 with radome: 69 lb. (31.4 kg)
Mechanical Tilt: 0 ± 10 degrees
Mounting (O.D.): 1.75 - 4.0 in. (44.5 - 102 mm)

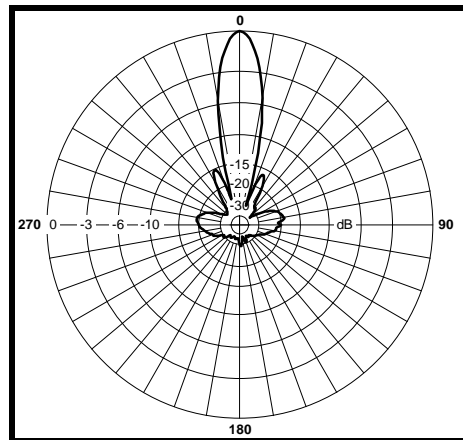
Materials

Radiating Elements: Plated copper on PCB
Reflector: Irridited aluminum
Radome: Gray UV stabilized ASA
Clamps: Aluminum and HDG steel



TA-2518R

H-Plane



E-Plane

