

Details 806-869 MHz

The TA-807-LB1 is a vertically or horizontally polarized directional panel antenna. The antenna consists of a dipole array enclosed in a UV stabilized ASA radome. The antenna is designed for severe weather conditions and is at DC ground to aid in lightning protection.

Electrical Specifications

Freq Range:	806-869 MHz
Gain:	7.5 +/- 0.5 dBi
VSWR:	1.5:1 max.
Front Back:	17 dB min.
Pol:	Vertical or Horizontal
Power:	100 watts
H Plane BW:	63°
E Plane BW:	60°
X Pol:	15 dB min.
Imp:	50 ohms nominal
Termination:	7/16 DIN female
globalGain:	7.5



Mechanical Specifications

Length:	18 in. (457 mm)
width:	18 in. (457 mm)
Depth:	4.5 in. (114 mm)
weight:	11 lb. (5 kg)
Rated Wind vel:	125 mph (200 km/h)
Hor Thrust:	140 lb. (63.6 kg)
Mech tilt:	0 - 15 degrees
Mounting Pipe:	1 - 3.5 in. (25.4 - 88.9 mm)

Material Specifications

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

Antenna Patterns

