

## TA-823-4-90 Sector

806-866, 824-896, 872-960 MHz



The TA-823-4-90 sectoral antenna is a compact, low profile antenna designed for applications where aesthetics are of prime importance. Printed antenna technology and the use of superior materials ensure excellent intermod performance and exceptional reliability.

### Electrical Specifications

**Frequency Range:** 806-866, 824-896, 872-960 MHz  
**Gain:** 10 dBd  
**VSWR:** 1.5:1 max. 1.35:1 typical  
**Front to Back Ratio:** 20 dB min.  
**Polarization:** Vertical  
**Power Rating:** 500 Watts  
**H-Plane Beamwidth:** 90 degrees  
**E-Plane Beamwidth:** 19 degrees  
**Electrical Downtilt:** 0, 4, 8 degrees  
**Cross Pol. Discrimination:** 20 dB min.  
**Impedance:** 50 ohms nominal  
**Termination:** N female (7/16 optional)

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

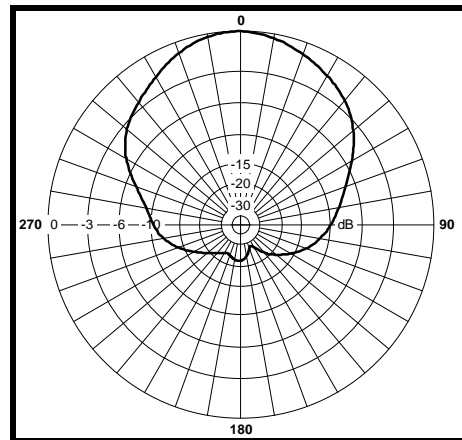
### Mechanical Specifications

**Length:** 40 in. (1016 mm)  
**Width:** 9.25 in. (235 mm)  
**Depth:** 4 in. (102 mm)  
**Weight (incl. Clamps):** 9.5 lb. (4.3 kg)  
**Rated Wind Velocity:** 125 mph (200 km/h)  
**Hor. Thrust at rated wind:** 160 lb. (72.7 kg)  
**Mechanical Tilt:** 0 - 15 degrees  
**Mounting (O.D.):** 1.75 - 3.25 in. (44.5 - 85 mm)

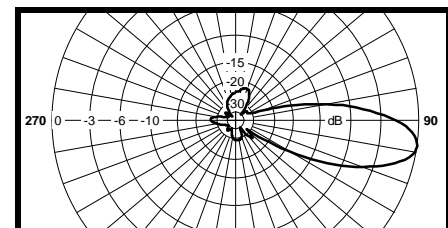
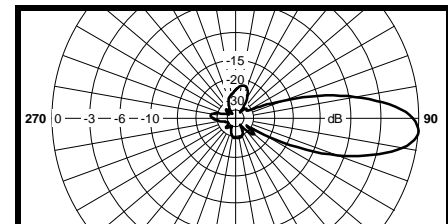
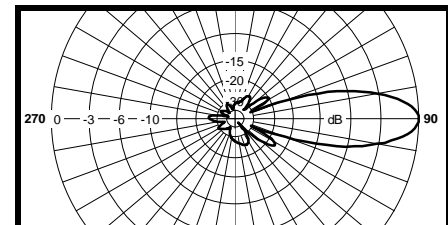
### Materials

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

H-Plane



E-Plane



T0  
T4  
T8

