

**Details** **2170-2200 MHz**

The TA-2103-10-DAB is a medium power vertically polarized sectoral antenna specifically designed for Digital Audio Broadcast transmission. The antenna is designed to provide field adjustable azimuth beamwidths of 60°, 90° and 120° by use of field replaceable side panels to form the azimuth beam as desired. The antenna is at DC ground to aid in lightning protection.

**Electrical Specifications**

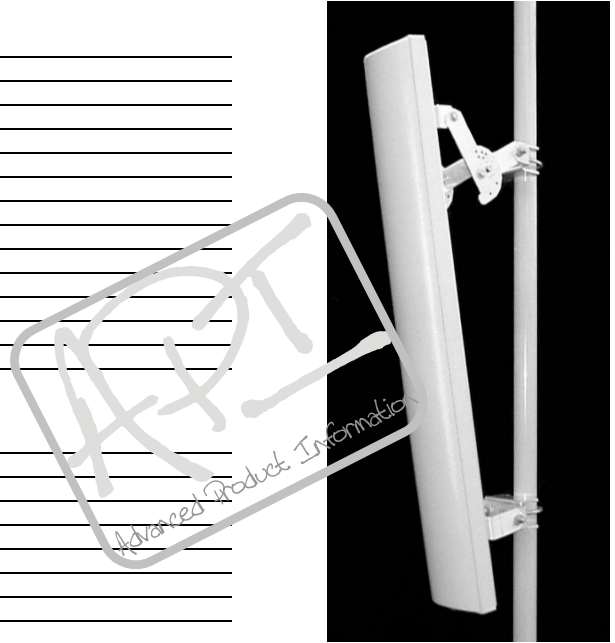
<b>Freq Range:</b>	2170-2200 MHz
<b>Gain:</b>	17dBi @ 60°, 16 dBi @ 90°
<b>Gain Multiple:</b>	15 dBi @ 120°
<b>VSWR:</b>	1.23:1
<b>Front Back:</b>	25 dB @ 60°/90°
<b>Front Back Multiple:</b>	20 dB @ 120°
<b>Pol:</b>	Vertical
<b>Power:</b>	325 Watts
<b>H Plane BW:</b>	60°, 90°, 120°
<b>E Plane BW:</b>	8 +/- 1 degree
<b>Electrical Downtilt:</b>	0°
<b>X Pol:</b>	15 dB
<b>Imp:</b>	50 ohms nominal
<b>Termination:</b>	7/16 female DIN

**Mechanical Specifications**

<b>Length:</b>	50 in. (1270 mm)
<b>Width:</b>	7 in. (177.5 mm)
<b>Depth:</b>	3.75 in. (95 mm)
<b>Weight:</b>	16 lb. (7.3 kg)
<b>Rated Wind Vel:</b>	125 mph (200 km/h)
<b>Hor Thrust:</b>	151 lb. (68.5 kg)
<b>Mech tilt:</b>	0 - 15° (in 1° increments)
<b>Mounting Pipe:</b>	1.0 - 3.5 in. (25.4 - 89 mm)

**Material Specifications**

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



**Antenna Patterns**

