



## Rugged Railroad Antennas

The ASP16 and ASP22 railroad antennas are designed to AAR requirements and can be roof mounted on locomotive, crew car, or other railroad vehicles exposed to severe vibration and other tough environmental conditions. Their concentric cylinder design measures only 11.4" (ASP16) or 8.9" (ASP22) tall for reduced visibility. The antennas require a ground plane and feature a large mounting foot with an SO-239 connector. Cable is sold separately.

### Features

- Versatile - may be mounted on locomotive, crew car, or other rugged vehicles
- High Technology - manufactured to AAR requirements under ITT patents
- Low-profile - concentric cylinder design only 11.4" or 8.9" high
- Easy Installation - large mounting foot with SO-239 connector



ASP16

### STANDARD CONFIGURATION

Model	Cable	Connector	Mount
ASP16	Sold Separately	SO-239 (mates with PL-259)	Direct Panel Mount
ASP22	Sold Separately	SO-239 (mates with PL-259)	Direct Panel Mount

### ELECTRICAL SPECIFICATIONS - RF ANTENNA

Model	Frequency Range	VSWR	Average Power	Nominal Impedance	Polarization
ASP16	158-162 MHz	< 1.5:1	100 watts	50 ohms	Vertical, linear
ASP22	217-222 MHz	< 1.5:1	100 watts	50 ohms	Vertical, linear

### MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Model	Dimensions	Temperature Range	Housing Material
ASP16	2.8 OD x 11.3 H in (7.2 x 28.8 cm)	-40°C to +85°C	STAINLESS STEEL TUBE,T304-(S/W)-1/2 HD, MIL-T-5695
ASP22	2.8 OD x 11.3 H in (7.2 x 28.8 cm)	-40°C to +85°C	STAINLESS STEEL TUBE,T304-(S/W)-1/2 HD, MIL-T-5696