Silhouette Low-Profile Transit Antennas

PCTEL's Silhouette antennas are designed for transit vehicle installations requiring overhead clearance, including buses, fire-fighting engines, railroad equipment, airport service vehicles, and construction equipment. These low-profile multiband antennas provide wideband coverage of specific frequencies without field tuning required. They are housed in a high impact molded ASA radome for long-lasting performance under severe environmental conditions.



ASP574 low-profile transit antenna series for VHF coverage



ASP931 low-profile transit antenna

Features

- Rugged, high impact molded ASA radome assures long, reliable performance and protection against the elements
- High Performance – when mounted on a flat surface, maximum radiation is vertical and omnidirectional
- Low-profile for minimum exposure to theft or vandalism
- Wideband Coverage – requires no field tuning

STANDARD CONFIGURATION

Model	Cable	Connector	Mount
ASPB574	Sold separately.	SO-239 (UHF female, panel mount)	Standard 1-5/16" roof hole mount Supplied with screws and weather-proof gasket.
ASP572		UHF female, panel mount (mates with PL259 male)	
ASP772		BNC female bulkhead	
ASPB572		UHF female, panel mount (mates with PL259 male)	
ASPC572		UHF female, panel mount (mates with PL259 male)	
ASP931		N female, panel mount	
ASPG931		N female, panel mount	

ELECTRICAL SPECIFICATIONS (ALL FREQUENCIES)

Model	Frequency Range	Bandwidth	Gain*	Maximum Power	Polarization	Nominal Impedance	VSWR
ASPB574	148-160 MHz	0.5 MHz	Unity	100 watts	Vertical	50 ohms	< 2.0:1, maximum
ASP572	450-470 MHz	20 MHz	Unity	100 watts	Vertical	50 ohms	< 2.0:1, maximum
ASP772	450-470 MHz	20 MHz	Unity	100 watts	Vertical	50 ohms	< 2.0:1, maximum
ASPB572	470-488 MHz	18 MHz	Unity	100 watts	Vertical	50 ohms	< 2.0:1, maximum
ASPC572	488-512 MHz	24 MHz	Unity	100 watts	Vertical	50 ohms	< 2.0:1, maximum
ASP931	806-894 MHz	88 MHz	Unity	100 watts	Vertical	50 ohms	< 2.0:1, maximum
ASPG931	890-960 MHz	154 MHz	Unity	100 watts	Vertical	50 ohms	< 2.0:1, maximum

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Model	Dimensions	Housing Color
ASPB574	4.1 H x 17 x 3.5 in (10.4 x 43.2 x 8.9 cm)	White, high impact molded ASA
ASP572	3.13 H x 8 x 3.5 in (7.9 x 20.3 x 8.9 cm)	
ASP772	3.4 H x 8 x 3.5 in (8.6 x 20.3 x 8.9 cm)	
ASPB572	3.4 H x 8 x 3.5 in (8.6 x 20.3 x 8.9 cm)	
ASPC572	3.4 H x 8 x 3.5 in (8.6 x 20.3 x 8.9 cm)	
ASP931	3.4 H x 8 x 3.5 in (8.6 x 20.3 x 8.9 cm)	
ASPG931	3.4 H x 8 x 3.5 in (8.6 x 20.3 x 8.9 cm)	

* Measured on a 1x1 ft ground plane. Gain is ground plane dependent.