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P C S A N T E N N A S

Omnidirectional Fixed Station Antennas

For Wireless Local Loop and PCS-1900 Applications

ASPRM2972 • ASPRM2973 • ASPRM2976



Precision Engineered – provides high conductivity for low-loss and highly efficient operation through end fed design with integral broadband matching section

Lightweight – versatile mounting options allow for effortless and rapid high-volume deployment. No ground plane required

Customized – available in OEM packages for similar applications or alternative gain levels. Custom options include connector types, mounting configurations and jumper cables

Durable – high quality fiberglass construction withstands extreme weather conditions for trouble-free service

Versatile – covers a variety of applications from spread spectrum to wireless local loop

DC Grounded – dissipates static and/or reduces the potential of electromagnetically induced currents into the coaxial feed system from nearby lightning strikes*

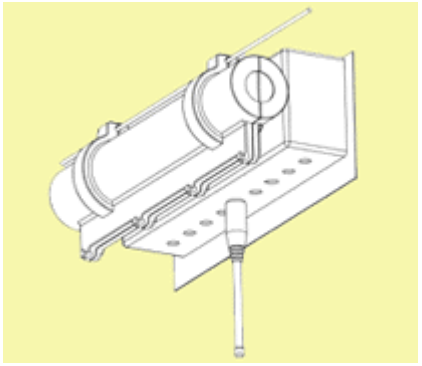
Unobtrusive – blends easily into surrounding environment with slim, low-profile, aesthetically pleasing housing. Ideal alternative when zoning issues are a concern

* Based on IEEE standard 80 for fusing current of the shunt. Direct lightning strikes or other high voltage applied to elements not covered.

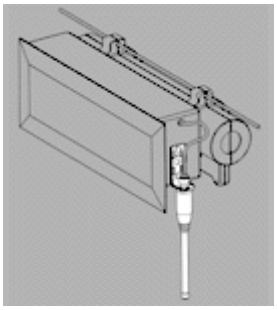
Specifications			
	ASPRM2972	**ASPRM2973**	**ASPRM2976**
Electrical			
Frequency Range	1850-1990 MHz	1850-1990 MHz	1850-1990 MHz
VSWR	1.9:1	1.9:1	1.5:1
Gain	3 dBd/5 dBi	4 dBd/6 dBi	6 dBd/8 dBi
Power	10 watts	10 watts	10 watts
Beamwidth (E-plane @ -3 dB)	32°	21°	12°
Polarization	Vertical	Vertical	Vertical

Input Impedance	50 ohms	50 ohms	50 ohms
Termination	N female	N female	N female
Mechanical			
Overall Length	10 inches (25.4 cm)	14.5 inches (36.8 cm)	24 inches (60.9 cm)
Wind Area	0.012 ft^2 (0.001 m^2)	0.023 ft^2 (0.003 m^2)	0.044 ft^2 (0.004 m^2)
Weight	0.25 lb (0.11 kg)	0.38 lb (0.17 kg)	0.44 lb (0.20 kg)
Shipping Weight	0.50 lb (0.22 kg)	0.60 lb (0.27 kg)	0.70 lb (0.32 kg)
Radome OD	0.5 inches (1.3 cm)	0.5 inches (1.3 cm)	0.5 inches (1.3 cm)
Maximum Wind Speed	129 mi/h (208 km/h)	129 mi/h (208 km/h)	129 mi/h (208 km/h)
Radiator Material	Brass and Copperworld™	Brass and Copperworld™	Brass and Copperworld™
Radome Enclosure	Fiber glass	Fiber glass	Fiber glass
Weather Protection	O-ring seal at ferrule	O-ring seal at ferrule	O-ring seal at ferrule

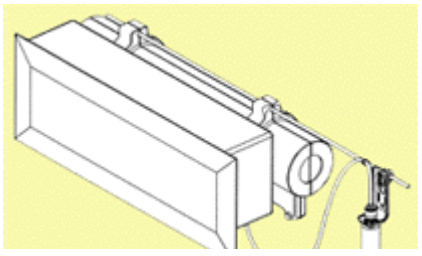
Mounting Options

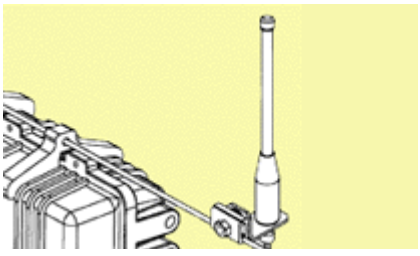


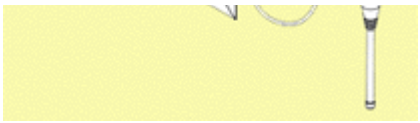
Standard Bulkhead Mount



Alternate Bulkhead Mount
Optional K-920 mounting bracket available separately







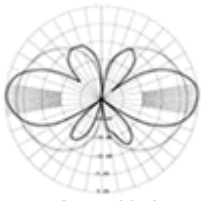
Cable Mount
Optional K-920 mounting bracket available separately



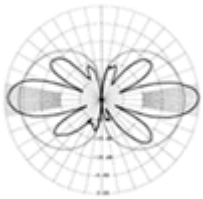
Cable Mount
Optional K-921 adjustable mounting bracket available separately

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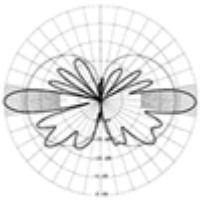
Omnidirectional Patterns



ASPRM2972



ASPRM2973



ASPRM2976

For a dealer or distributor nearest you, call 1-800-321-9977

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