



Patch Antenna Elements

Features

- Temperature stable (-40°C to +105°C)
- Low return loss
- Uniform dielectric constant
- Offset single-point feeding method
- Custom designs available (900 MHz to 5.8 GHz)
- Silver plated electrode and probe
- Surface mount
- 50 Ohm impedance
- RoHS parts available



RoHS
COMPLIANT

Ordering Information - Standard Single Frequency Patch Element

PA	25	-	1575	-	008	S	A
Class	Size		Center Frequency (MHz)		Bandwidth (MHz)	Configuration	Series
Patch Antennas	2 digits in mm		Use 4 digits		Use 3 digits	S = Square	Assigned by factory

Application	Part #	Polarization	Center Frequency (MHz)	2:1 VSWR Bandwidth (MHz)	Gain (dB)	Tested ground plane (mm)
GPS	PA13-1580-005SA	RHCP	1580	8	2.5	30X30
GPS	PA18-1580-010SA	RHCP	1580	15	0.0	50X50
GPS-military (L2)	PA25-1227-008SA	RHCP	1227	20	0.0	60X60
GPS	PA25-1575-008SA	RHCP	1575	20	2.5	35X35
GPS	PA25-1579-008SA	RHCP	1579	20	2.5	35X35
Globalstar	PA25-1615-025SA	LHCP	1615	25	3.0	60X60
Iridium	PA25-1621-025SA	RHCP	1621	25	4.0	60X60
ISM	PA28-2450-120SA	RHCP	2450	120	4.0	45X45
Inmarsat	PA45-1592-175SA	RHCP	1592	125	5.0	60X60
RFID	PA780915030SALF	LHCP	915	30	3.0	101.6X101.6

In most cases to order RoHS versions, remove dashes in part number and add "LF" to the end of the part. Ex: PA251575008SALF (RoHS version) Consult Factory for custom parts or optimized center frequencies for your specific applications.

Dual Frequency SMD Patch Element

Spectrum Advanced Specialty Products offers an innovative solution for dual frequency applications. Our individual SMD antennas can be mounted on a single ground plane to address both frequencies at once.

Part #	Application	Ground Plane Test Size (mm)	Reference Outline
PA451615-1575SA	Globalstar & GPS (Comm)	63X63	LHCP
PA451621-1575SA	Iridium & GPS (Comm)	63X63	RHCP
PA451592175SLLF	Thuraya	63X63	LHCP

Consult Factory for full product details.



Antennas & Assemblies