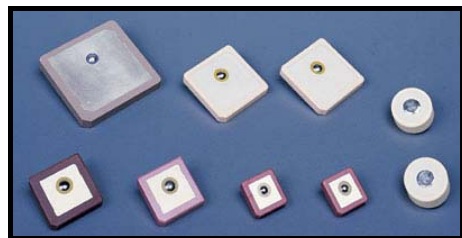


## Features

- Various size selective
- Wide frequency range
- Excellent temperature stability, temperature compensated
- High quality dielectric ceramics
- Excellent radiation pattern
- Suitable for surface mount and reflow soldering process

**PA Series**



## Electronic Characteristics

| Part Number | Center Frequency $f_0$ (MHz) | Bandwidth (MHz) | RL @ $f_0$ (dB max) | Gain (dBi) | Ground Plane (mm) | Size (mm) | Applications |
|-------------|------------------------------|-----------------|---------------------|------------|-------------------|-----------|--------------|
| PA1580S25XA | 1580                         | 15              | 15                  | 2.5        | 70 × 70           | 25 × 25   | GPS          |
| PA1580S25ZA | 1580                         | 8               | 15                  | 4.5        | 70 × 70           | 25 × 25   |              |
| PA1590S25XA | 1590                         | 15              | 15                  | 2.5        | 70 × 70           | 25 × 25   |              |
| PA1590S25ZA | 1590                         | 15              | 15                  | 2.5        | 70 × 70           | 25 × 25   |              |
| PA1580S20XA | 1580                         | 12              | 15                  | 3.5        | 50 × 50           | 20 × 20   |              |
| PA1595S20ZA | 1595                         | 12              | 15                  | 3.5        | 50 × 50           | 20 × 20   |              |
| PA1580S18XA | 1580                         | 10              | 15                  | 3.0        | 50 × 50           | 18 × 18   |              |
| PA1580S18ZA | 1580                         | 10              | 15                  | 3.0        | 50 × 50           | 18 × 18   |              |
| PA1580S13XA | 1580                         | 5               | 15                  | 0.0        | 30 × 30           | 13 × 13   |              |
| PA2450S13ZA | 2450                         | 45              | 15                  | 2.15       | 50 × 70           | ∅16       | W-LAN        |

Note: Please consult VTC support for other frequencies and specifications that are not listed above.

## Method of Definition

**PA 1580 S 25 X A**

- PA : Patch antenna
- 1580 : Center frequency in MHz
- S : Structure
- 25 : Dimensions
- X : Feeding point
- A : Versions

## Outline Drawing

