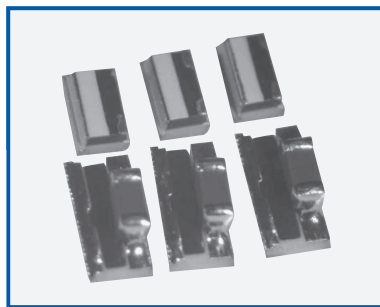




# Temperature compensated chip attenuators

P\*V series

## Features

- For simplifying temperature drift compensation of GaAs high frequency amplifiers
- Excellent high frequency characteristics

## Applications

- Base station and others



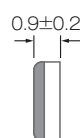
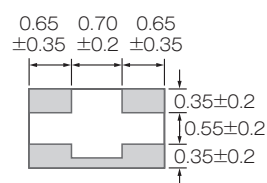
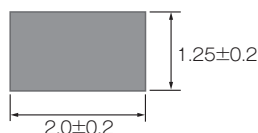
\* Except for Chinese RoHS

## Specifications

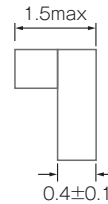
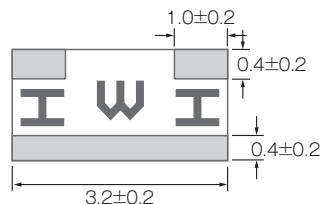
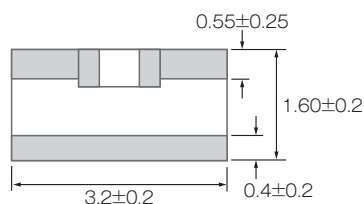
\* All made to order.

### Dimensions

PXV1220S



PBV1632S

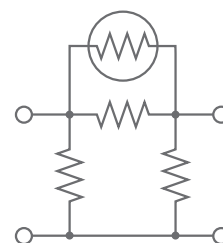


Front side

Back side

(unit:mm)

### Equivalent circuits



### Electrical characteristics

| Series name                            | PXV1220S                                                                                                                                                                                                        | PBV1632S                            |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Attenuation                            | 1, 2, 3, 4, 5, 6, 7, 8, 9, 10dB                                                                                                                                                                                 | 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 16dB |
| Attenuation tolerance                  | ±0.5dB (@25°C, no load)                                                                                                                                                                                         |                                     |
| Impedance                              | 50Ω                                                                                                                                                                                                             |                                     |
| VSWR                                   | 1.3max.                                                                                                                                                                                                         |                                     |
| Temperature coefficient of attenuation | ex : 6dB<br>N1 ~ N8 (1 ~ 3dB : N1 ~ N9)<br>N1 0.0119dB/dB*°C<br>N2 0.0088dB/dB*°C<br>N3 0.0062dB/dB*°C<br>N4 0.0047dB/dB*°C<br>N5 0.0041dB/dB*°C<br>N6 0.0035dB/dB*°C<br>N7 0.0026dB/dB*°C<br>N8 0.0019dB/dB*°C |                                     |
| Operating frequency                    | DC ~ 3GHz                                                                                                                                                                                                       |                                     |
| Rated power                            | 63mW                                                                                                                                                                                                            | 100mW                               |
| Operating temperature                  | -40°C ~ +100°C                                                                                                                                                                                                  |                                     |
| Packaging                              | 100pcs/bag 1,000pcs/reel                                                                                                                                                                                        | min.20pcs/bag 1,000pcs/reel         |

· Refer to the data book for details.

### Part numbering system

PXV 1220S -06dB N1-T

Packaging (T=Tape, B=Bulk)  
 Temperature coefficient of attenuation  
 Attenuation  
 Size  
 Product code

\*Not for shipment to or sale in the United States\*