

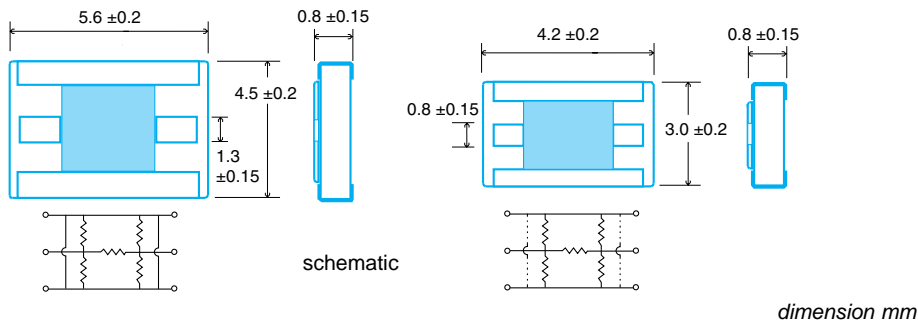
# Thin Film Chip Attenuator

## PAT W Series

### 1.0 Description

High performance thin film attenuation in a surface mount chip package. These devices offer 0 to 16 dB attenuation, are suited for high density circuit population, and have excellent characteristics for high frequency to 10 GHz.

### 2.0 Mechanical



### 3.0 Electrical

| Type                        | PAT 4556                                 | PAT 3042 |
|-----------------------------|------------------------------------------|----------|
| Attenuation (dB)            | 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 16, 20 |          |
| Impedance (code)            | 50 ohm (C)                               |          |
| Frequency range             | DC to 10 GHz                             |          |
| Power rating                | 500 mW                                   | 250 mW   |
| Rated operation temperature | 70°C                                     |          |

|                       | Attenuation | Rank | DC to 2 GHz | 2 GHz to 5 GHz | 5 GHz to 10 GHz |
|-----------------------|-------------|------|-------------|----------------|-----------------|
| Attenuation Tolerance | 0 to 10 dB  | A    | ±0.1 dB     | ±0.2 dB        | ±0.4 dB         |
|                       |             | B    | ±0.2 dB     | ±0.3 dB        | ±0.5 dB         |
|                       | 16, 20 dB   | B    | ±0.2 dB     | ±0.3 dB        | ±0.5 dB         |

### 4.0 Part Number

**PAT** \_\_\_\_\_ Product designator  
**3042** \_\_\_\_\_ Package size  
**C** \_\_\_\_\_ Impedance  
**10dB** \_\_\_\_\_ Attenuation  
**A** \_\_\_\_\_ Rank  
**B** \_\_\_\_\_ Packaging (B = Bulk) (T = Tape)  
**LF** \_\_\_\_\_ Lead Free





Manufacturer(s) of the products described on this page are indicated by their respective logos.