

Chip type attenuator (π type)

RCN02

●Features

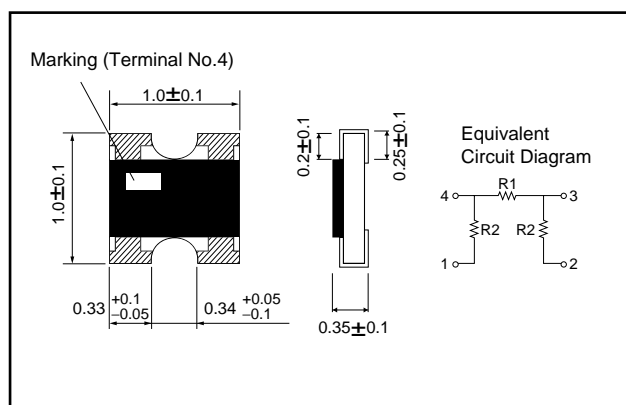
- 1) Compare with single type
- 2) Guarantee the attenuation
($\pm 0.3\text{db}$, $\pm 0.5\text{db}$)
- 3) Mounting area 50% less
- 4) Big reduction for mounting cost
(3 times \rightarrow Once)

●Quick reference

The design and specifications are subject to change without prior notice. Before ordering or using, please check the latest technical specifications.

| Part No. | Size code | No. of terminals | No. of elements | Rated power (70°C) | Impedance | Voltage standing wave ratio | Operating temperature range (°C) |
|----------|----------------|------------------|-----------------|-----------------------|-------------|-----------------------------|--|
| RCN02 | 1010 (0404) | 4 | 3 | 0.04W / package | 50 Ω | MAX 1.3 | -55 to +125 |

●External dimensions (Unit: mm)



Resistors

●Product designation

R C N 0 2 M 1 P P E A 3 5 0 0 3

Part No.

Circuit

| Code | Specification |
|------|---------------|
| PPE | π Circuit |

Attenuation, Attenuation limitation

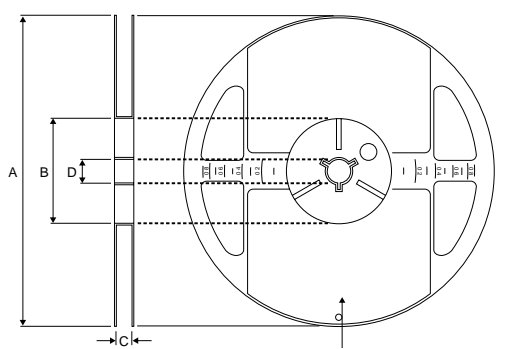
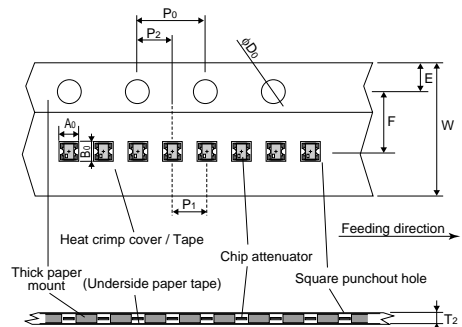
| Code | Attenuation | Limitation |
|----------|-------------|------------|
| A3 5001 | 1dB | ±0.3dB |
| A3 5002 | 2dB | |
| A3 5003 | 3dB | |
| A3 5004 | 4dB | |
| A3 5005 | 5dB | ±0.5dB |
| A5 5006 | 6dB | |
| A5 5007 | 7dB | |
| A5 5008 | 8dB | |
| A5 5009 | 9dB | ±0.8dB |
| A5 50010 | 10dB | |
| A8 50011 | 11dB | |
| A8 50012 | 12dB | |
| A8 50013 | 13dB | ±1.5dB |
| B5 50014 | 14dB | |
| B5 50015 | 15dB | |
| B5 50016 | 16dB | |
| C0 50017 | 17dB | ±2.0dB |
| C0 50018 | 18dB | |
| C0 50019 | 19dB | |
| C5 50019 | 20dB | |

Packaging Specifications Code

| Part No. | Packaging specifications | Reel | Basic ordering unit (pcs) |
|----------|--------------------------|---------------|---------------------------|
| M1 | Paper tape (2mm Pitch) | φ180mm (7in.) | 10,000 |

Reel (φ180mm) : Compatible with JEITA standard "EIAJ ET-7200B"

●Packaging

| Reel | Taping | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|-------------------|----------------|--|---|---|-------------------|---|---|---|---|----------------|----------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|---------------|---------------|----------------|----------|
|  <p style="text-align: center;">EIAJ ET-7200B compliant</p> <p style="text-align: center;">(Unit : mm)</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">$\phi 180 \begin{smallmatrix} 0 \\ -1.5 \end{smallmatrix}$</td> <td style="text-align: center;">$\phi 60 \begin{smallmatrix} +1 \\ 0 \end{smallmatrix}$</td> <td style="text-align: center;">$9 \begin{smallmatrix} +1.0 \\ 0 \end{smallmatrix}$</td> <td style="text-align: center;">$\phi 13 \pm 0.2$</td> </tr> </tbody> </table> | A | B | C | D | $\phi 180 \begin{smallmatrix} 0 \\ -1.5 \end{smallmatrix}$ | $\phi 60 \begin{smallmatrix} +1 \\ 0 \end{smallmatrix}$ | $9 \begin{smallmatrix} +1.0 \\ 0 \end{smallmatrix}$ | $\phi 13 \pm 0.2$ |  <p style="text-align: right;">(Unit : mm)</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>W</th> <th>F</th> <th>E</th> <th>A₀</th> <th>B₀</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">8.0 ± 0.3</td> <td style="text-align: center;">3.5 ± 0.05</td> <td style="text-align: center;">1.75 ± 0.1</td> <td style="text-align: center;">1.17 ± 0.1</td> <td style="text-align: center;">1.17 ± 0.1</td> </tr> <tr> <th>D₀</th> <th>P₀</th> <th>P₁</th> <th>P₂</th> <th>T₂</th> </tr> <tr> <td style="text-align: center;">$\phi 1.5 \begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$</td> <td style="text-align: center;">4.0 ± 0.1</td> <td style="text-align: center;">2.0 ± 0.1</td> <td style="text-align: center;">2.0 ± 0.05</td> <td style="text-align: center;">Max. 0.5</td> </tr> </tbody> </table> | W | F | E | A ₀ | B ₀ | 8.0 ± 0.3 | 3.5 ± 0.05 | 1.75 ± 0.1 | 1.17 ± 0.1 | 1.17 ± 0.1 | D ₀ | P ₀ | P ₁ | P ₂ | T ₂ | $\phi 1.5 \begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$ | 4.0 ± 0.1 | 2.0 ± 0.1 | 2.0 ± 0.05 | Max. 0.5 |
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| $\phi 180 \begin{smallmatrix} 0 \\ -1.5 \end{smallmatrix}$ | $\phi 60 \begin{smallmatrix} +1 \\ 0 \end{smallmatrix}$ | $9 \begin{smallmatrix} +1.0 \\ 0 \end{smallmatrix}$ | $\phi 13 \pm 0.2$ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W | F | E | A ₀ | B ₀ | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.0 ± 0.3 | 3.5 ± 0.05 | 1.75 ± 0.1 | 1.17 ± 0.1 | 1.17 ± 0.1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| D ₀ | P ₀ | P ₁ | P ₂ | T ₂ | | | | | | | | | | | | | | | | | | | | | | | | | |
| $\phi 1.5 \begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$ | 4.0 ± 0.1 | 2.0 ± 0.1 | 2.0 ± 0.05 | Max. 0.5 | | | | | | | | | | | | | | | | | | | | | | | | | |

Caution : Insertion direction of device to carrier tape.
Marking is on the left bottom side of the cavity to the feeding direction.

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