

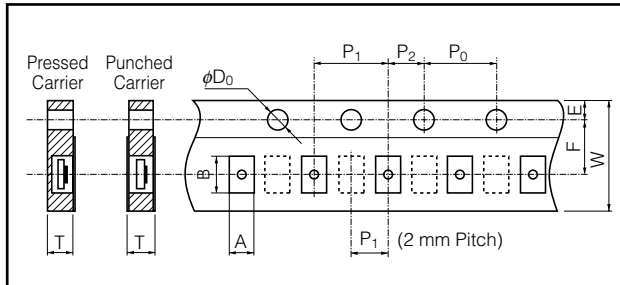
■ Packaging Methods (Taping)

● Standard Quantity

| Type | Kind of Taping | Pitch (P ₁) | Quantity |
|------------|------------------------|-------------------------|-----------------|
| EZAEG1A,1N | Pressed Carrier Taping | 2 mm | 15000 pcs./reel |
| EZAEG2A,2N | | | 10000 pcs./reel |
| EZAEG3A | Punched Carrier Taping | 4 mm | 5000 pcs./reel |
| EZAEGCA | | | |

● Carrier Taping

(Unit : mm)

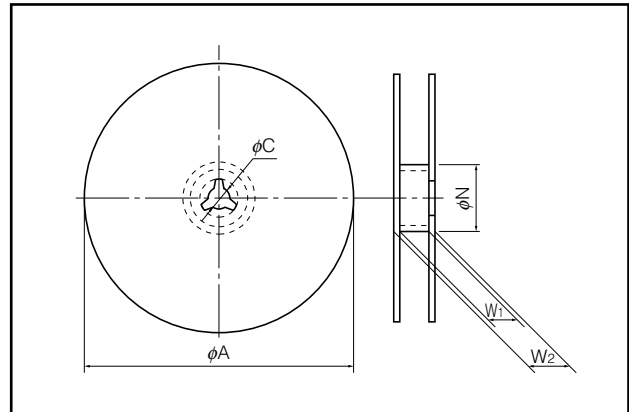


| Type | A | B | W | F | E |
|------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| EZAEG1A,1N | 0.38 ^{+0.05} | 0.68 ^{+0.05} | 8.00 ^{±0.20} | 3.50 ^{±0.05} | 1.75 ^{±0.10} |
| EZAEG2A,2N | 0.70 ^{±0.05} | 1.20 ^{±0.05} | | | |
| EZAEG3A | 1.10 ^{±0.10} | 1.90 ^{±0.10} | | | |
| EZAEGCA | 1.55 ^{±0.15} | 2.30 ^{±0.20} | | | |

| Type | P ₁ | P ₂ | P ₀ | φD ₀ | T |
|------------|-----------------------|-----------------------|-----------------------|-------------------------------------|-----------------------|
| EZAEG1A,1N | 2.00 ^{±0.10} | 2.00 ^{±0.05} | 4.00 ^{±0.10} | 1.50 ^{+0.10} ₋₀ | 0.42 ^{±0.05} |
| EZAEG2A,2N | | | | | 0.60 ^{±0.05} |
| EZAEG3A | 4.00 ^{±0.10} | | | | 0.70 ^{±0.05} |
| EZAEGCA | | | | | 0.85 ^{±0.05} |

● Taping Reel

(Unit : mm)

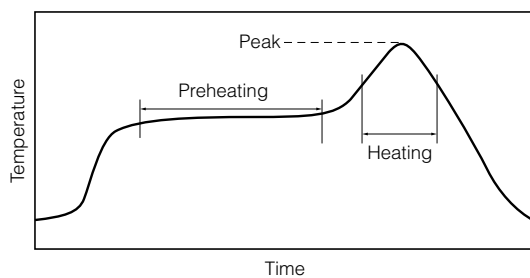


| Type | φA | φN | φC | W ₁ | W ₂ |
|------------|-------------------------------------|------------------------------------|----------------------|-----------------------------------|----------------------|
| EZAEG1A,1N | 180.0 ⁺⁰ _{-1.5} | 60.0 ^{+1.0} ₋₀ | 13.0 ^{±0.2} | 9.0 ^{+1.0} ₋₀ | 11.4 ^{±1.0} |
| EZAEG2A,2N | | | | | |
| EZAEG3A | | | | | |
| EZAEGCA | | | | | |

■ Recommended Soldering Conditions

Recommendations and precautions are described below.

- Recommended soldering conditions for reflow
 - Reflow soldering shall be performed a maximum of two times.
 - Please contact us for additional information when used in conditions other than those specified.
 - Please measure the temperature of the terminals and study every kind of solder and printed circuit board for solderability before actual use.



For soldering (Example : Sn/Pb)

| | Temperature | Time |
|--------------|------------------|---------------|
| Preheating | 140 °C to 160 °C | 60 s to 120 s |
| Main heating | Above 200 °C | 30 s to 40 s |
| Peak | 235 ± 5 °C | max. 10 s |

For lead-free soldering (Example : Sn/Ag/Cu)

| | Temperature | Time |
|--------------|------------------|---------------|
| Preheating | 150 °C to 180 °C | 60 s to 120 s |
| Main heating | Above 230 °C | 30 s to 40 s |
| Peak | max. 260 °C | max. 10 s |

⚠ Safety Precautions

The following are precautions for individual products. Please also refer to the common precautions for ESD Suppressor shown on this catalog.

1. If a large electric surge (especially, one which is larger than an ESD) is expected to be applied, be sure to test and confirm proper ESD Suppressor (hereafter called the suppressors) functionality when mounted on your board. When the applied load is more than the allowable rated power under normal load conditions, it may impair performance and/or the reliability of the suppressors. Never exceed the rated power. If the product will be used under these special conditions, be sure to contact a Panasonic representative first.
2. Do not use halogen-based or other high-activity flux. Otherwise, the residue may impair the suppressors' performance and/or reliability.
3. When soldering with a soldering iron, never touch the suppressors' bodies with the tip of the soldering iron. When using a soldering iron with a high temperature tip, finish soldering as quickly as possible (within three seconds at 350 °C max.).
4. Avoid excessive bending of printed circuit boards in order to protect the suppressors from abnormal stress.
5. Do not immerse the suppressors in solvent for a long time. Before using solvent, carefully check the effects of immersion.

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

02 Mar. 2013