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|  | <p>Data Sheet</p> <p>CERAMIC TRIMMER CAPACITOR / TZB4 SERIES</p> |
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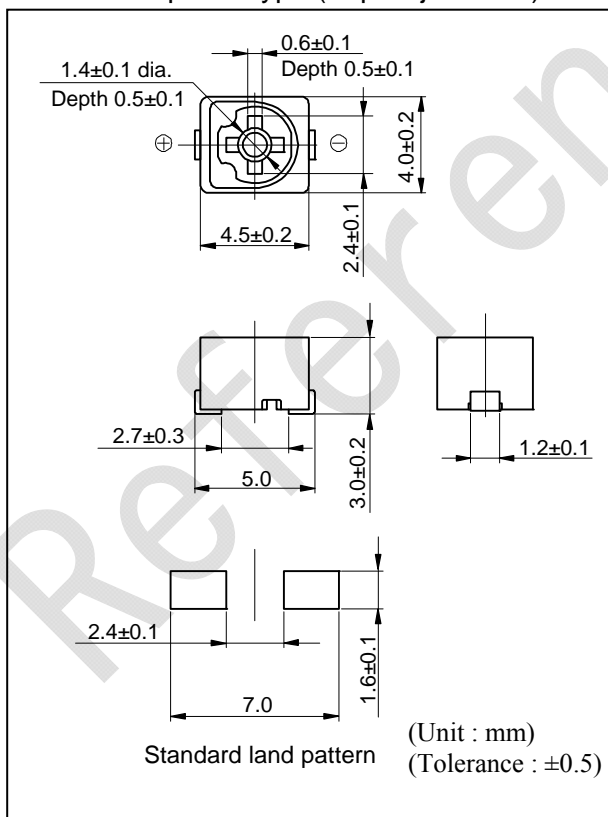
■ Part Number

TZB4 ○○○○ ▲ ■10 △△△
 1) 2) 3) 4)

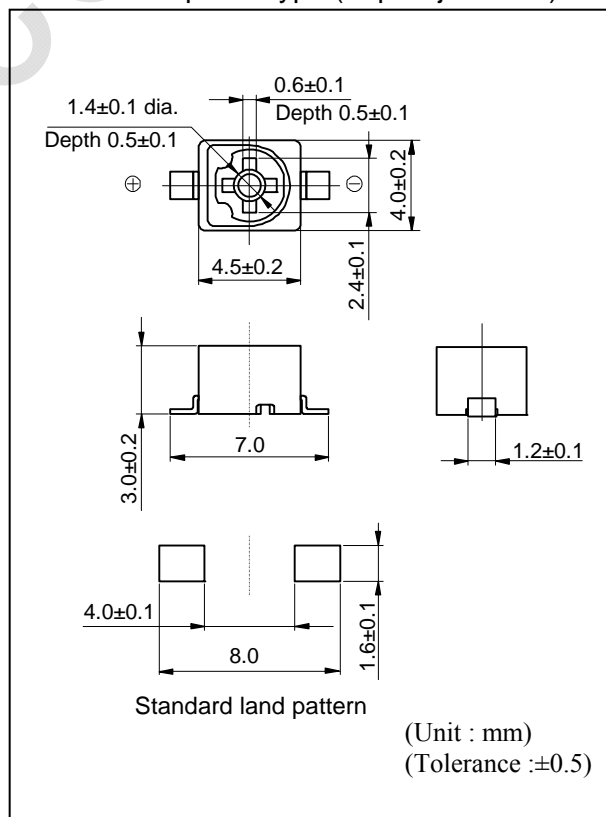
- 1) ○○○○ Temperature characteristics and Maximum capacitance value.
 Refer to the attached specifications table. Ex. Z100
- 2) ▲ Terminal shape.
 Refer to the dimensions for terminal shapes A and B.
- 3) ■10 Individual specifications.
 A10 : Standard (Without cover film)
 B10 : Standard (With cover film for flow soldering)
- 4) △△△ Packaging
 [B00] - Bulk : 500pcs./bag
 [R00] - Taping (Standard) : 500pcs./reel (180mm dia.)

■ Outline / Dimensions / Land Pattern

Terminal shape : A type (Top Adjustment)



Terminal shape : B type (Top Adjustment)



■ Specifications Table

| Part Number | Capacitance (pF) | | Q at 1MHz (min.) | Rated voltage (V.D.C.) | Temperature Characteristics | | Case color |
|-------------|------------------|-------------------|------------------------|------------------------------|-------------------------------|--------------------|------------|
| | Min. (+0%) | Max. (+50/-0%) | | | Temp. Coefficient (ppm/°C) | Drift (pF max.) | |
| TZB4Z030... | 1.4 | 3.0 | 300 | 100 | NP0±200 (0±200) | ±0.1 | Brown |
| TZB4Z060... | 2.0 | 6.0 | 500 | 100 | NP0±200 (0±200) | ±0.1 | Blue |
| TZB4Z100... | 3.0 | 10.0 | 500 | 100 | NP0±300 (0±300) | ±0.15 | White |
| TZB4R200... | 4.5 | 20.0 | 500 | 100 | N750±400 (-750±400) | ±0.3 | Red |
| TZB4P300... | 6.5 | 30.0 | 300 | 100 | N1200±500(-1200±500) | ±0.3 | Green |
| TZB4P400... | 8.5 | 40.0 | 300 | 100 | N1200±500(-1200±500) | ±0.5 | Yellow |
| TZB4Z250... | 4.0 | *25.0 | 300 | 50 | NP0±300 (0±300) | ±0.3 | Black |
| TZB4R500... | 7.0 | *50.0 | 300 | 50 | N750±300 (-750±300) | ±0.7 | Black |

Note :+100/-0% capacitance tolerance for Z250, R500.

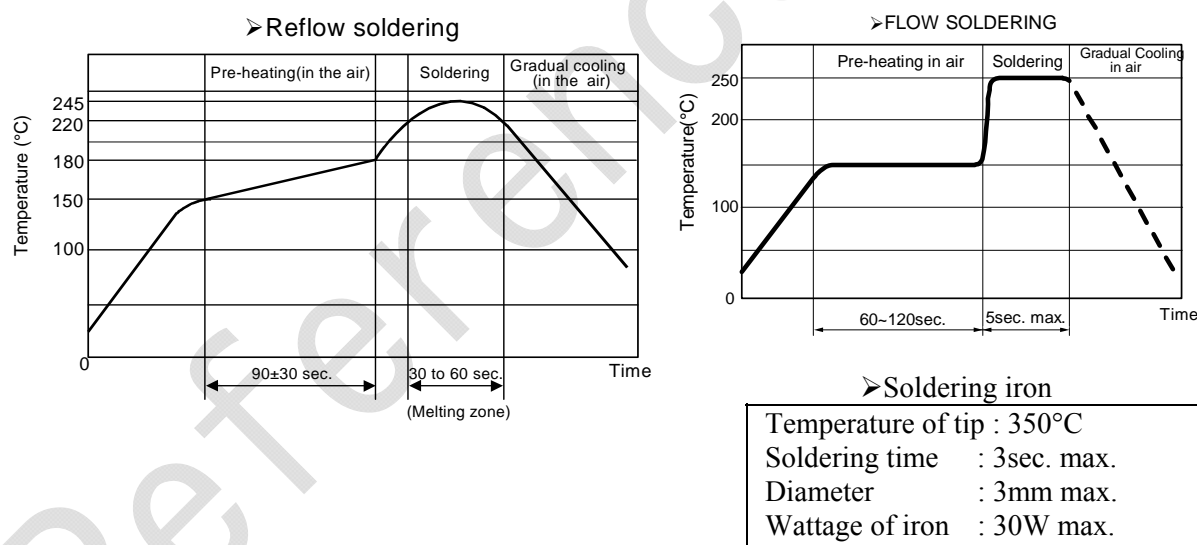
:Operation temperature range is -25 to +85°C.

: Driving torque:1.5 ~ 10.0 mN·m (Ref.; 15~100gf·cm)

Caution for Using

■ Soldering

(1) Standard soldering condition (Standard Pb free solder type : 96.5Sn/3.0Ag/0.5Cu)



(2) The thickness of solder paste should be printed from 200μm to 250μm at re-flow soldering.

(3) Only 'With film cover type' is apply flow soldering method. ex. TZB4Z100AB10R00.

■ Cleaning (Available on cover film type only)

Isopropyl alcohol and Ethyl alcohol are available material for cleaning. If you use any other types of solvents, please evaluate performance by your set. Moreover, please confirm no damage for trimmer capacitor after cleaning by your conditions.

■ Adjusting

- (1) Do not apply excessive force (preferable 1.0N(Ref.; 100gf) max.) to minimize capacitance drift.
- (2) Use suitable screwdriver that fit comfortably in driver slot. (Murata Part No. : KMDR010)
- (3) Do not use any adhesive bond to fix moving parts after adjusting.

End of Document.