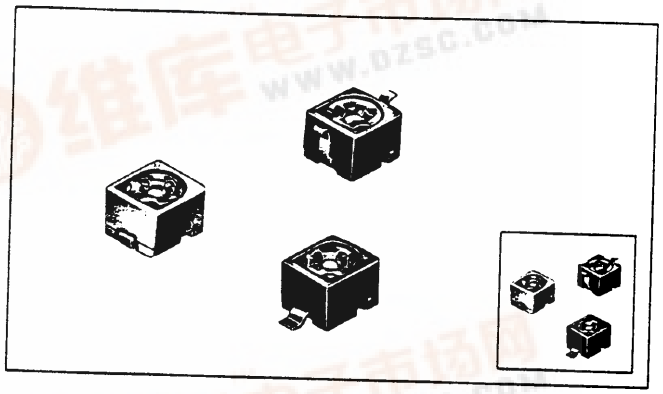
CHIP TRIMMER CAPACITOR

muRata

Chip Ceramic Trimmer Capacitor TZBX4 Series

2 Capacitance range can be distinguished by case color !

The chip ceramic trimmer capacitor TZBX4 series has been developed for consumer products such as small radios, radio communication equipment and audio equipment. Protected by a thermosetting resin case, it is quite superior in heat resistance.



■FEATURES

1. Easily distinguishable for capacitance by case color.
2. Miniature and rectangular solid with external dimensions of 4.0(W)×4.5(L)×3.0(H)
3. Mountable by automatic placer.
4. Can be immersed into flux and a solder bath. (Cover film type)
5. Washable by using organic solvent. (Cover film type)
6. The bottom part can be temporarily attached by adhesives to printed circuit board. (Except rear adjustment "E" type)
7. Flow soldering is applicable.(Cover film type)
8. Reflow soldering is applicable.

■PART NUMBERING

(※ Please specify the part number when ordering)

(Ex.) TZBX4 ❶ | Z ❷ | 060 ❸ | B ❹ | A ❺ | 110 ❻ | T00 ❼

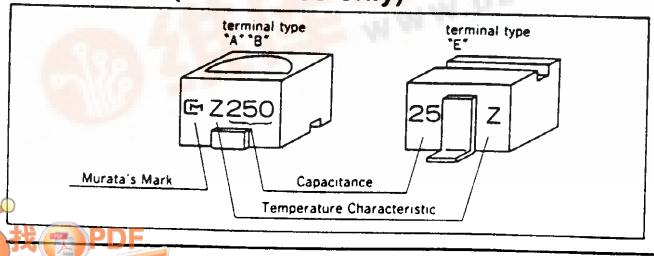
❶Chip Ceramic Trimmer Capacitor
❷Temperature Characteristic
❸Capacitance
❹Cover Film
(A : not provided, B : provided)
❺Terminal Type
(A,B and E type)
❻Other Specifications 110 : Standard
❼Packaging Unit

T00 :	ϕ 180mm Taping	(500pcs/reel)
T02 :	ϕ 330mm Taping	(2500pcs/reel)
NO code :	Bulk	(500pcs/bulk)

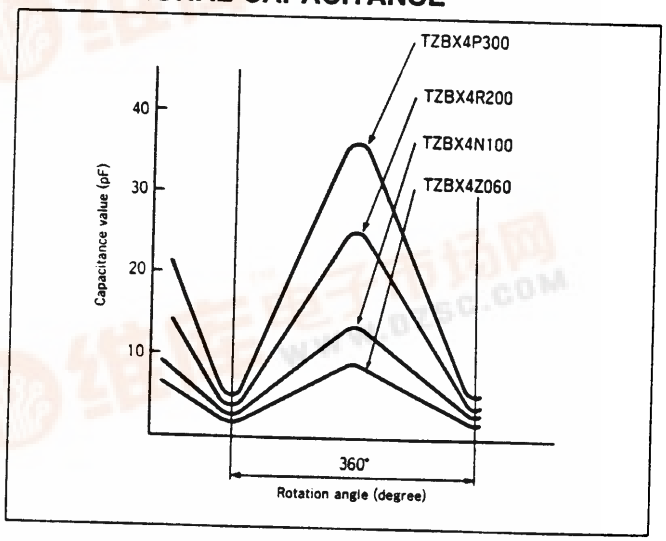
■APPLICATIONS

- Video movies
- Cordless phones
- Portable telephones, Automobile telephones
- Pagers
- Car radios, Compact radios
- Hybrid ICs
- Other compact electronic equipment

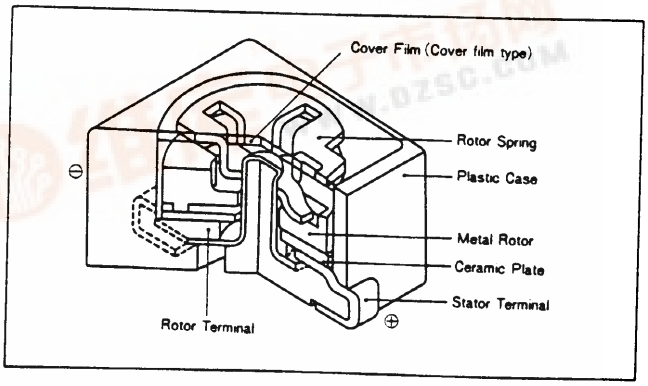
■MARKING(Black case only)



■CHARACTERISTICS OF ROTATIONAL CAPACITANCE

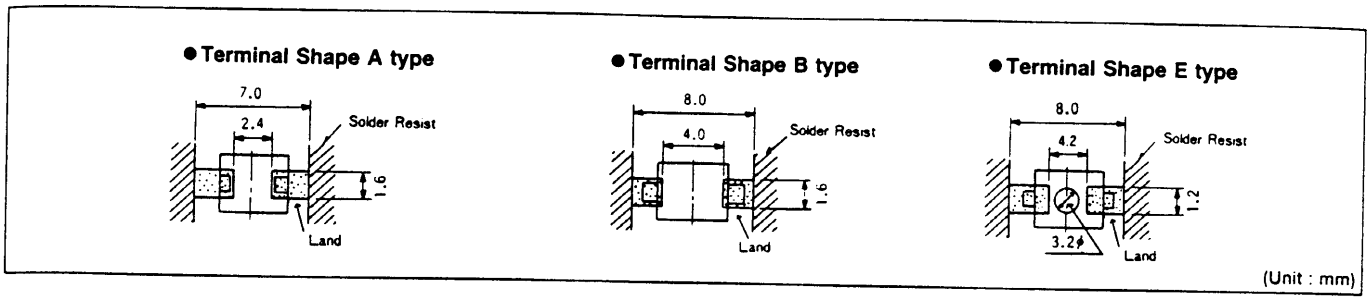


■CONSTRUCTION



■APPLICATION

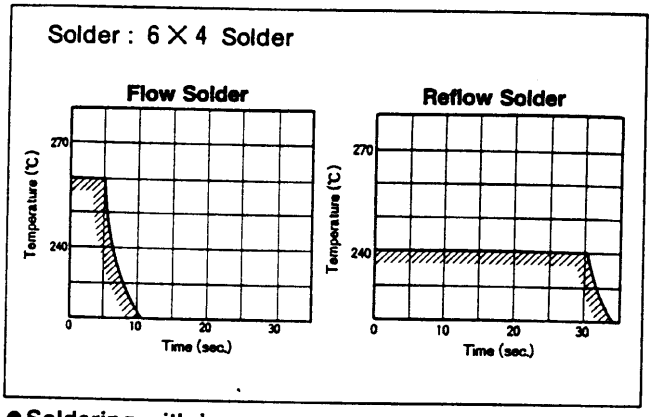
(1)Standard Land Dimensions



(2)Soldering Conditions

● Soldering temperature and time

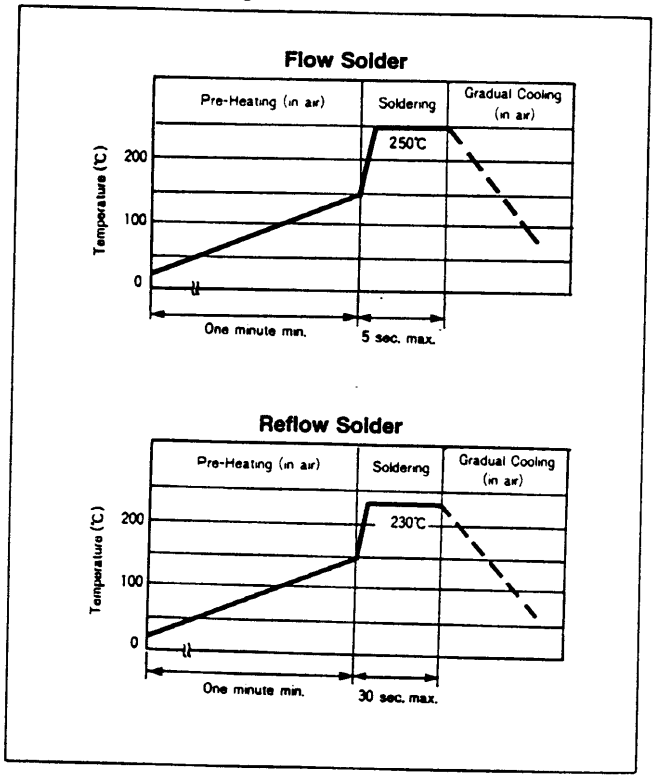
Solder within the range indicated by the slanted line.
If soldering is repeated, please note that the allowance time is the accumulated time.



● Soldering with iron

Use a soldering iron of less than 30W. Complete soldering within 4 seconds a soldering tip temperature of 270℃.

● Standard soldering conditions



(3)Cleaning Conditions (Cover film type)

1. Use washing or cleaning solvents such as freon/TE/TES/TMS, 1-1-1 trichloroethane, isopropyl alcohol, or equivalent solvents.
2. Cleaning with solvent must be done for less than 2 minutes, but supersonic cleaning should be completed within 1 minute.
   In case of only immersion cleaning with room temperature can be done for 5 minutes.

■CAUTION

1. Do not apply immersion soldering or cleaning to a trimmer capacitor without cover film.
2. Do not cause excessive force to be applied to the trimmer capacitor when mounting it on the P.C.B.
3. Do not incorrectly identify the (+) and (−) terminals. The (+) terminal (hot) is on the stator and the (−) terminal (ground) is on the rotor. See dimensional diagram.
4. Keep the trimmer cover film undamaged until the trimmer has been mounted and soldered on the P.C.B. (or until cleaning has been completed when performing solvent cleaning).
5. Do not use water-soluble flux for soldering.
6. Once the trimmer's cover film is broken, avoid washing with solvent.
7. The cover film is not broken until the screwdriver is turned over 45°
   Adjustment should be made after the cover film is broken. After the film is broken, there is no need to remove.
8. The force applied to trimmer with screwdriver should be as small as possible (500g max.)
9. We recommend a PPTZ-0022 screwdriver with a ceramic bit. This makes tuning easy and has long life.
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10. Do not put lacquer or other substances into the trimmer to fix the rotor position.
11. Avoid storage under high temperature or humidity or in chemical atmospheres.