

## **Data Sheet**

# **CERAMIC TRIMMER CAPACITOR / TZC3 SERIES**

#### ■Part Number

# TZC3 <u>OOOO A 110</u> <u>DD</u> 1) 2) 3) 4)

1)OOO Temperature characteristics and Maximum capacitance value.

Refer to the attached specifications table. Ex. R100

2) A Terminal shape. Refer to the dimensions for terminal shape A.

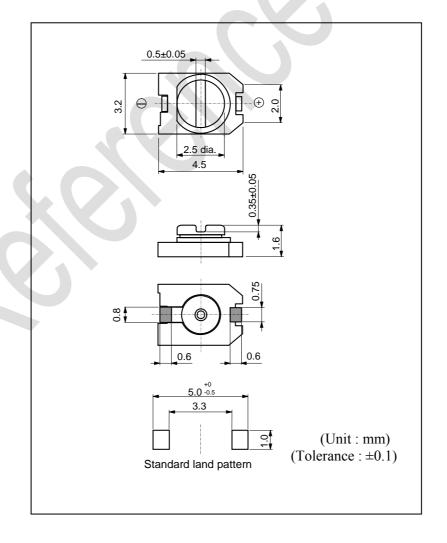
3) 110 Individual specifications. 110 : Standard

4)  $\square\square\square$  Packaging

[B00] - Bulk 500pcs./bag

[R00] - Taping (Standard) 1,000pcs./reel (180mm dia.)

#### ■ Outline / Dimensions / Land Pattern



## ■ Specifications Table

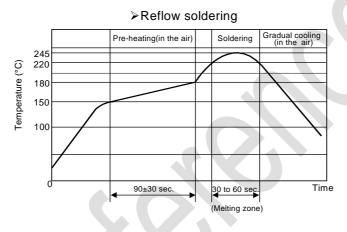
	Capacitance (pF)		Q	Rated	Temp. Characteristics		
Part Number	Min. (+0%)	Max. (+50/-0%)	at 1MHz (min.)	voltage (V.D.C.)	Temp. Coefficient (ppm/°C)	Drift (max.)	Stator color
TZC3Z030A110	1.4	3.0	300	100	NP0 ±300 ( 0±300)	±3%	Brown
TZC3Z060A110	2.0	6.0	500	100	NP0 ±300 ( 0±300)	±3%	Blue
TZC3R100A110	3.0	10.0	500	100	N750±300 (-750±300)	±3%	White
TZC3P200A110	5.0	20.0	300	100	N1200±500(-1200±500)	±3%	Red
TZC3P300A110	6.5	30.0	300	100	N1200±500(-1200±500)	±3%	Green

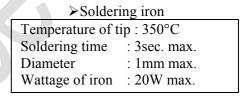
- Operating temperature range : -25 to +85°C.
- Driving torque : 1.5 ~10.0 mN·m (Ref.; 15~100gf·cm)

## 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 150µm to 200µm at re-flow soldering.
- (3) Do not use flow-soldering (dipping) method.

#### ■ Cleaning

Can not be cleaned because of open construction. If cleaning the TZC3 series, silicone oil applied to the movable part of the TZC3 will also be washed out, therefore the trimmer capacitor may deviate from the specified characteristics.

## ■ 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**