

CHIP TYPE CERAMIC TRIMMER CAPACITORS

TC03 SERIES, TC13 SERIES

Features

- Very Compact Package Type
- For Reflow-soldering use.
- Preserved from solvent.
- Dust-Proof structure.
- Lowest Temperature Coefficient and Capacitance Drift. ($\pm 1\%$)
- Optimum for automatic chip-mountor machine due to their small allowance in the dimensions and no air leak.
- Maximum capacitance can be checked by triangle-cut of rotor.

TC03 SERIES



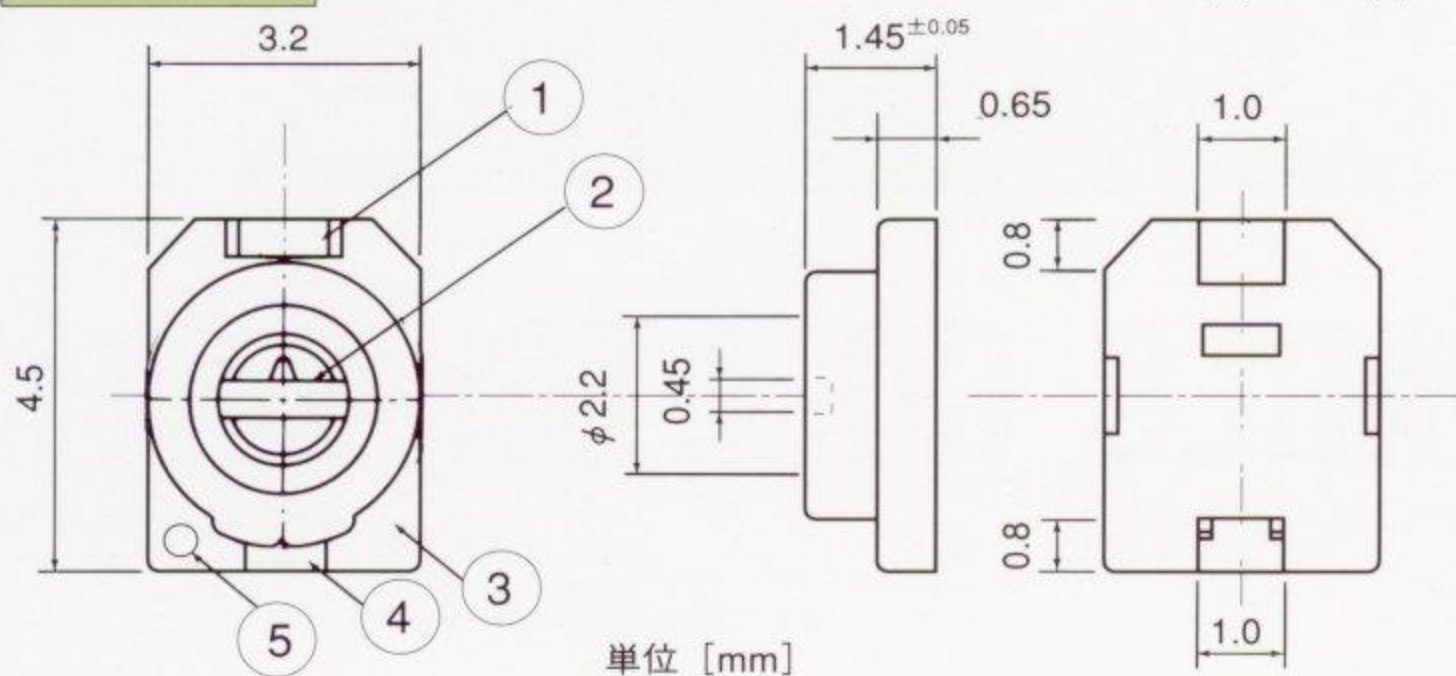
Specifications

Model No.	Capacitance(pF)		Q(at 1MHz, Cmax)	Rated voltage (V DC)	Temperature coefficient (ppm/°C)	Marking Color
	Max.	Min.				
TC03C030A	$3.0^{+50\%}_{-0\%}$	1.5max.	500min.	100	0 ± 200	black
TC03C060A	$6.0^{+50\%}_{-0\%}$	2.0max.	500min.	100	0 ± 300	blue
TC03U080A	$8.0^{+50\%}_{-0\%}$	3.0max.	500min.	100	-750 ± 500	violet
TC03C100A	$10.0^{+100\%}_{-0\%}$	2.0max.	500min.	50	0 ± 300	—
TC03C150A	$15.0^{+100\%}_{-0\%}$	3.0max.	500min.	50	0 ± 500	rose
TC03C200A	$20.0^{+100\%}_{-0\%}$	4.5max.	500min.	50	0 ± 500	red
TC03U300A	$30.0^{+100\%}_{-0\%}$	5.5max.	200min.	50	-750 ± 500	orange
TC03U400A	$40.0^{+100\%}_{-0\%}$	8.0max.	200min.	50	-750 ± 500	yellow

Withstanding Voltage	3pF, 6pF, 8pF 220V (DC) 10pF, 15pF, 20pF, 30pF, 40pF 110V (DC)	Insulation Resistance	1×10^4 [MΩ] Min.	Temperature Range	$-25^\circ\text{C} \sim +85^\circ\text{C}$
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Dimensions

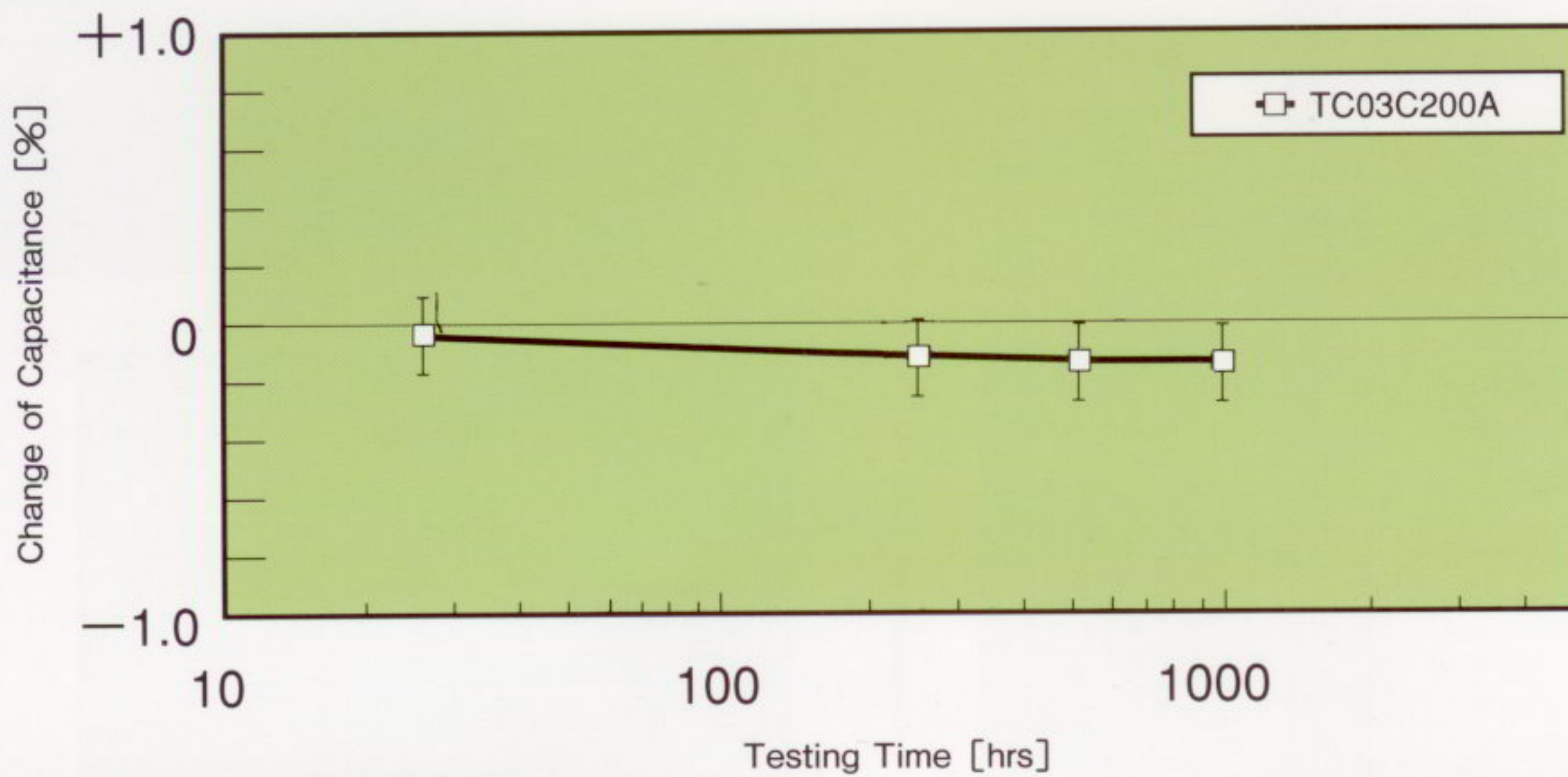
3.2(W) × 4.5(L) × 1.5(H)^(Max)



COMPONENT	MATERIAL
① Termination(hot end)	phospher bronze
② Rotor	brass
③ Housing	liquid cristal polymer
④ Termination(cold end)	phospher bronze
⑤ Marking	

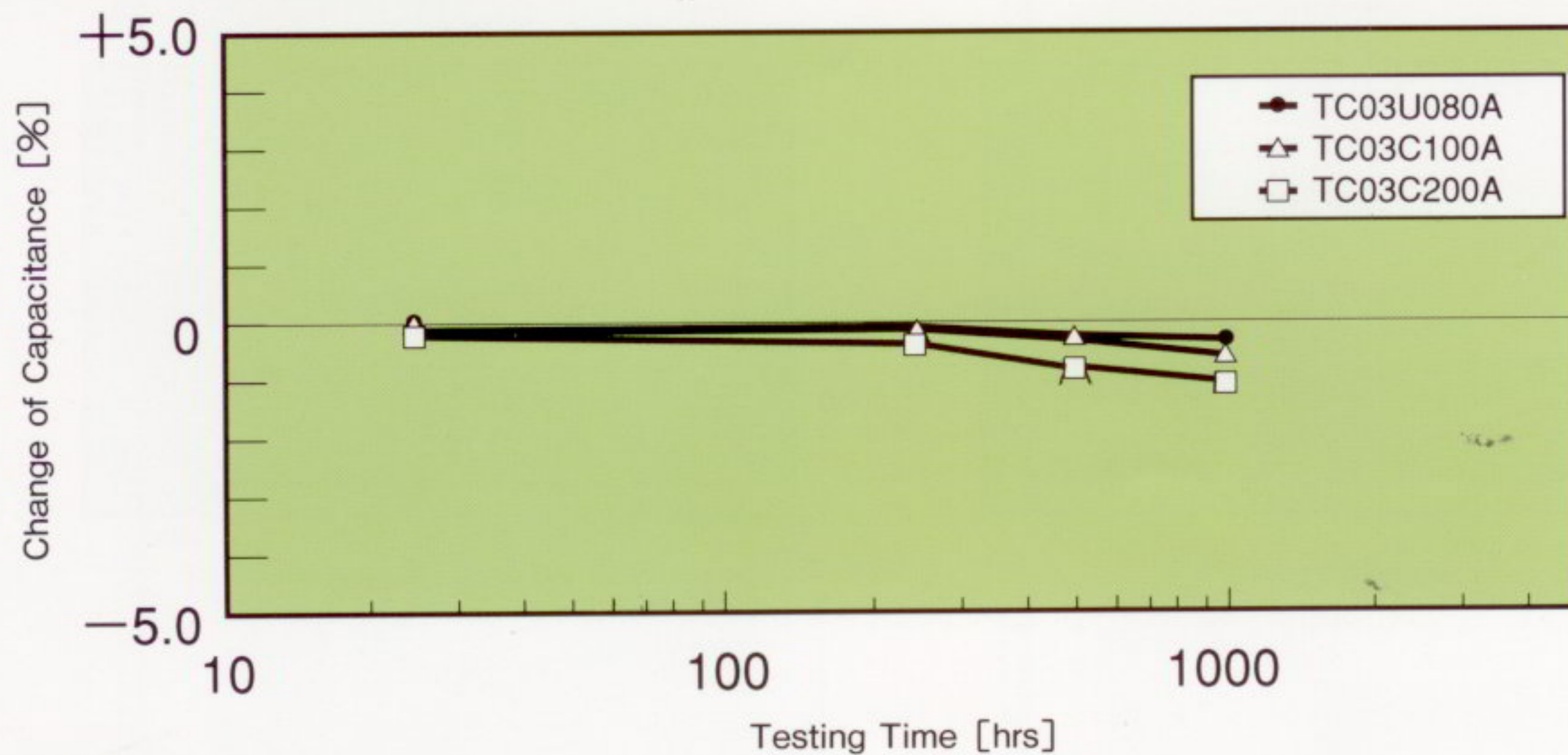
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Setting Drift



Loading at Elevated Temperature Test

(85°C TC03U080A : DC220V, TC03C100A/200A : DC110V)



Damp Heat Test

(40°C 95%RH, TC03U080A : DC220V, TC03C100A/200A : DC110V)

