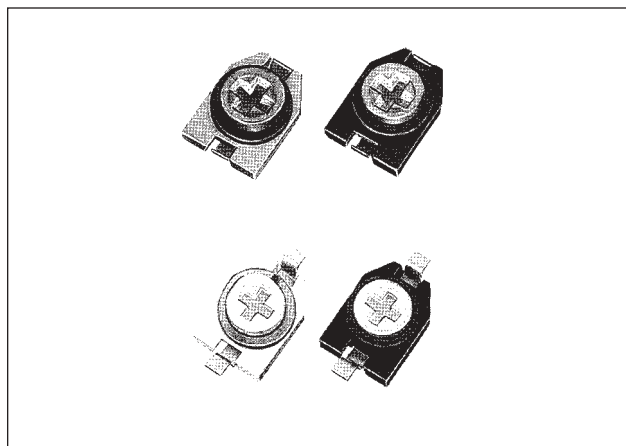


Trimmer Capacitors



CTZ2, CTZ3 Series



FEATURES

- SMD small & thin package
- Wide capacitance range
- CTZ3S-A series-small setting drift
- Washable and non-washable types available
- Plus slot(+) suitable for auto-adjustment
(Minus slot is also available)

APPLICATIONS

- AV equipment
- Cellular phone
- Cordless phone
- Pager
- TCXO
- Keyless Entry

SPECIFICATIONS

Part Number		Capacitance (pF)			Q 1±0.1 (MHz)	Temperature Coefficient (ppm/°C)
		Max. Value -0%+100%	Min. Value			
			Standard	A Type		
CTZ2 S/E	03A	3	2.0	—	>150	NP0±500
	05A	5	3.0	—	>150	NP0±500
	10A	10	3.0	—	>150	NP0±500
	20C	20	5.5	—	>150	N750±500
CTZ3 S/E	03A	3	1.0	1.5	>300	NP0±500
	05A	5	1.5	2.0	>300	NP0±500
	10A	10	2.5	4.0	>300	NP0±500
	10B	10	1.5	2.0	>300	N400±500
	20C	20	4.5	7.5	>300	N750±500
	30C	30	4.5	—	>300	N750±500
	40C	40	4.5	—	>300	N750±500
	50C	50	4.5	—	>200	N750±500

*Standard Specification = Rated Voltage (VDC) 25
 Temperature Range (°C) -40 to +85
 Insulation Resistance (MΩ) > 10⁴
 Torque (g-cm) 10 to 150

HOW TO ORDER

CTZ3 S - 05 A - W 1 - P F

Lead Specification

F = Lead Forming Type (CTZ3 type)

Pin Head Type

P = Plus slot

Taping Quantity (Unit = pcs)

1 = 1,000 2 = 2,000 5 = 5,000

Packaging

B = Bulk

W = W Direction Taping refer to pg. 61

X = X Direction Taping refer to pg. 61

Temperature Coefficient (ppm/°C)

A = NP0±500 B = N400±500

C = N750±500

Maximum Capacitance

03 = 3pF 20 = 20pF 50 = 50pF

05 = 5pF 30 = 30pF

10 = 10pF 40 = 40pF

Type

S = Reflow non-washable type

E = Reflow washable type

Series

CTZ2 = 3.0mmx2.5mmx1.3mm max.

CTZ3 = 4.5mmx3.2mmx1.8mm max.

*No code for standard parts

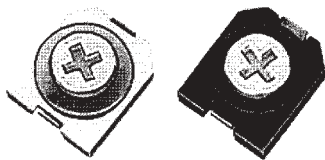
Trimmer Capacitors



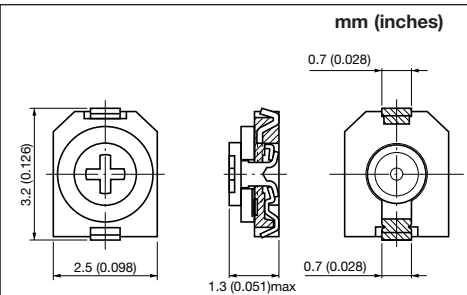
CTZ2, CTZ3 Series

SERIES

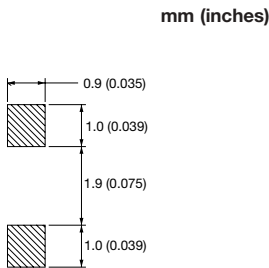
CTZ2



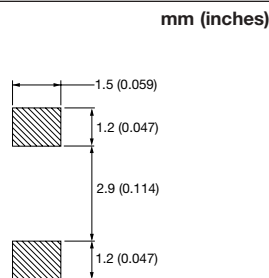
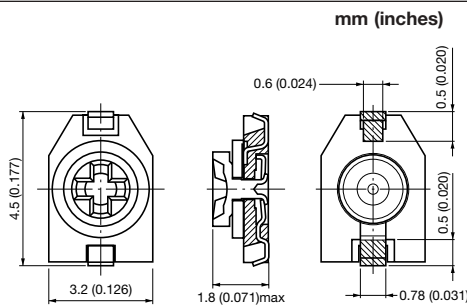
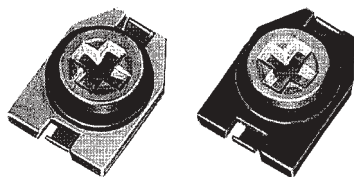
Dimensions



Recommended Land Pattern



CTZ3



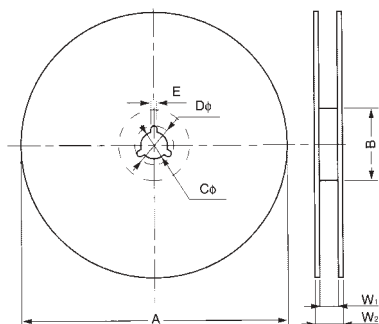
Trimmer Capacitors

CTZ2, CTZ3 Series



TAPE AND REEL

millimeters (inches)

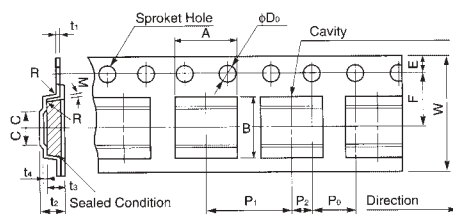


	A	B	C	D	E	W ₁	W ₂
CTZ2 Series (2,000 pcs)	180 ^{+0.00} _{-3.00} (7.087 ^{+0.000} _{-0.118})	60.0 ^{+1.00} _{-0.00} (2.362 ^{+0.000} _{-0.118})	13.0±0.20 (0.512±0.008)	21.0±0.80 (0.827±0.031)	2.00±0.50 (0.079±0.020)	13.0±0.30 (0.512±0.012)	15.4±1.00 (0.606±0.039)
CTZ3 Series (1,000 pcs)							
CTZ3 Series (5,000 pcs)	420±2.00 (16.535±0.079)	80.0±2.00 (3.150±0.079)	13.0±0.50 (0.512±0.020)	21.0±1.00 (0.827±0.039)	2.00±0.50 (0.079±0.020)	14.0±2.00 (0.551±0.079)	16.0±2.50 (0.630±0.098)

CARRIER TAPE

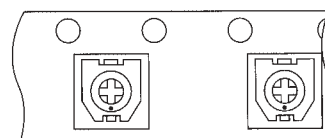
millimeters (inches)

TAPE LOADING

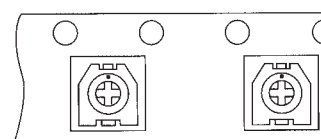


W Direction – Standard

X Direction – Option



→ Direction of feed
W Direction — Standard



→ Direction of feed
X Direction — Option

	CTZ2 Series		CTZ3 Series	
Code	Standard	Reverse	Standard	Reverse
A	2.70±0.10 (0.106±0.004)	2.90±0.10 (0.114±0.004)	3.35±0.10 (0.132±0.004)	3.60±0.10 (0.142±0.004)
B	3.20±0.10 (0.126±0.004)	4.90±0.10 (0.193±0.004)	4.60 ^{+0.20} _{-0.00} (0.181 ^{+0.008} _{-0.000})	7.2±0.10 (0.283±0.004)
W	12.0±0.30 (0.472±0.012)	12.0±0.30 (0.472±0.012)	12.0±0.30 (0.472±0.012)	12.0±0.30 (0.472±0.012)
F	5.50±0.05 (0.217±0.002)	5.50±0.05 (0.217±0.002)	5.50±0.05 (0.217±0.002)	5.50±0.05 (0.217±0.002)
E	1.75±0.10 (0.069±0.004)	1.75±0.10 (0.069±0.004)	1.75±0.10 (0.069±0.004)	1.75±0.10 (0.069±0.004)
P0	4.00±0.10 (0.157±0.004)	4.00±0.10 (0.157±0.004)	4.00±0.10 (0.157±0.004)	4.00±0.10 (0.157±0.004)
P1	4.00±0.10 (0.157±0.004)	4.00±0.10 (0.157±0.004)	8.00±0.10 (0.315±0.004)	8.00±0.10 (0.315±0.004)
P2	2.00±0.05 (0.079±0.002)	2.00±0.05 (0.079±0.002)	2.00±0.05 (0.079±0.002)	2.00±0.05 (0.079±0.002)
øD0	1.50 ^{+0.10} _{-0.00} (0.059 ^{+0.004} _{-0.000})	1.50 ^{+0.10} _{-0.00} (0.059 ^{+0.004} _{-0.000})	1.50 ^{+0.10} _{-0.00} (0.059 ^{+0.004} _{-0.000})	1.50 ^{+0.10} _{-0.00} (0.059 ^{+0.004} _{-0.000})
t1	0.30±0.10 (0.012±0.004)	0.30±0.10 (0.012±0.004)	0.30±0.10 (0.012±0.004)	0.30±0.10 (0.012±0.004)
t2	2.00±0.10 (0.079±0.004)	1.50 ^{+0.20} _{-0.00} (0.059 ^{+0.008} _{-0.000})	2.50±0.10 (0.098±0.004)	2.20±0.10 (0.087±0.004)
t3	1.30 ^{+0.15} _{-0.00} (0.051 ^{+0.006} _{-0.000})	0.80 ^{+0.10} _{-0.00} (0.031 ^{+0.004} _{-0.000})	2.00±0.10 (0.079±0.004)	1.00±0.10 (0.039±0.004)
t4	0.30±0.10 (0.012±0.004)	—	0.30±0.05 (0.012±0.002)	—
C	2.06±0.10 (0.081±0.004)	2.50±0.10 (0.098±0.004)	2.70±0.10 (0.106±0.004)	2.00±0.10 (0.079±0.004)

Trimmer Capacitors



CTZ2, CTZ3 Series

FREQUENCY CHARACTERISTICS

