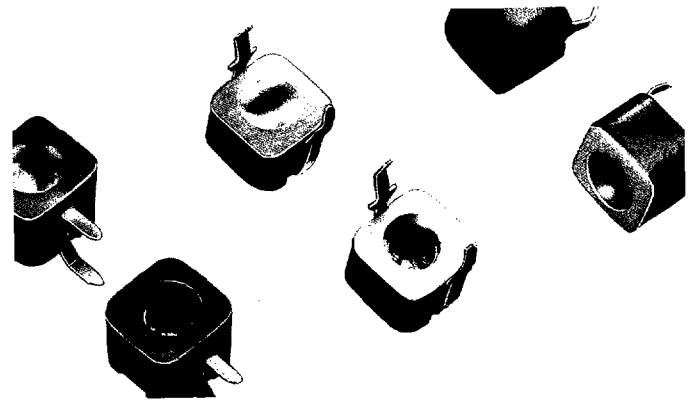


CTC-6 Series

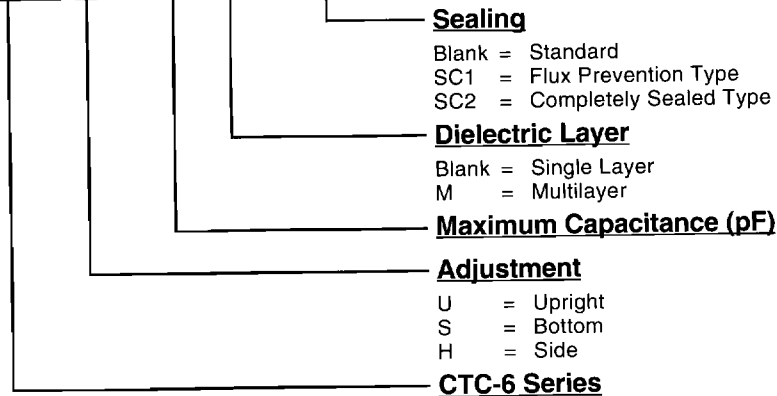
Features:

- 1) Housed in EIA color-coded, shock-resistant bodies.
- 2) Heat resistant film protects SC1 type from flux.
- 3) SC2 type is further coated with resin over film to allow for washing in hot water.

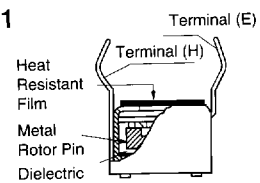


How To Order:

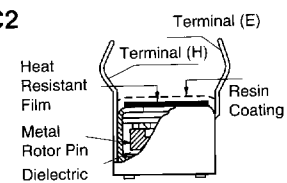
CTC-6 U - 050 M - SC2



SC1

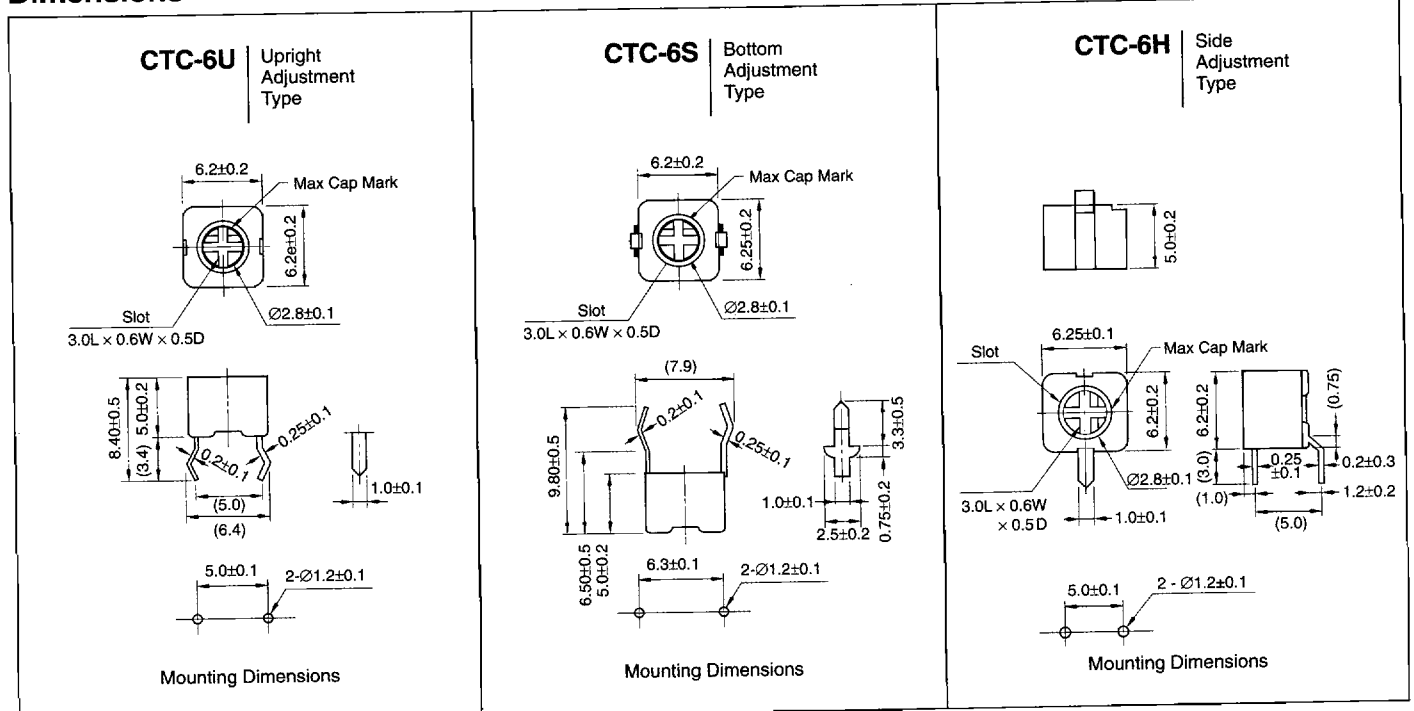


SC2



Dimensions

(Unit: mm)



CTC-6 Series

Specifications

Capacitance range (single layer)

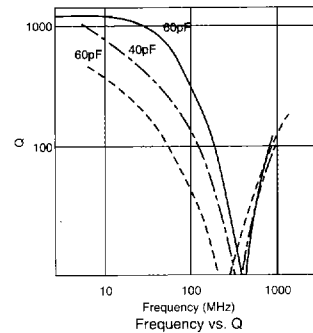
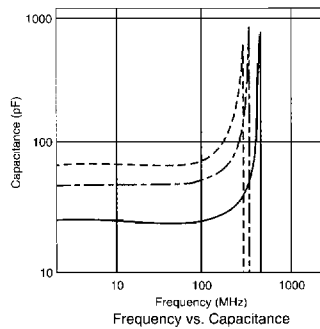
Part Number			Capacitance (pF)		Q (1MHz) (C max)	Operating Temp Range (°C)	T.C.R. (ppm/°C)	Color
Upright Adjustment	Bottom Adjustment	Side Adjustment	Min. (+0%)	Max. (+80/-0%)				
CTC-6U-005	CTC-6S-005	CTC-6H-005	2.0	5	500 min	-25 ~ +85	NP 0 ± 200	Black
CTC-6U-010	CTC-6S-010	CTC-6H-010	2.5	10	500 min	-25 ~ +85	NP 0 ± 200	Brown
CTC-6U-020	CTC-6S-020	CTC-6H-020	4.3	20	500 min	-25 ~ +85	N 450 ± 300	Red
CTC-6U-030	CTC-6S-030	CTC-6H-030	5.5	30	500 min	-25 ~ +85	N 750 ± 300	Orange
CTC-6U-040	CTC-6S-040	CTC-6H-040	7.7	40	300 min	-25 ~ +85	N1000 ± 400	Yellow
CTC-6U-050	CTC-6S-050	CTC-6H-050	9.1	50	300 min	-25 ~ +85	N1200 ± 500	Green
CTC-6U-060	CTC-6S-060	CTC-6H-060	13.0	60	300 min	-25 ~ +85	N1200 ± 500	Blue
CTC-6U-070	CTC-6S-070	CTC-6H-070	13.0	70	300 min	-25 ~ +85	N1300 ± 500	Purple

Capacitance range (multilayer)

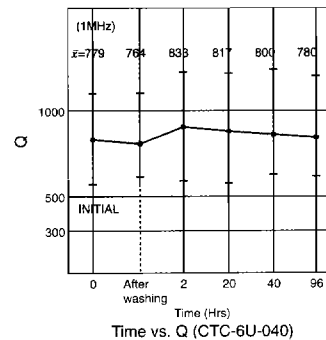
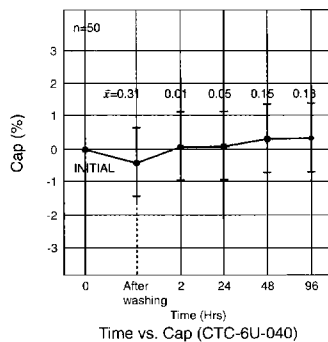
Part Number			Capacitance (pF)		Q (1MHz) (C max)	Operating Temp Range (°C)	T.C.R. (ppm/°C)	Color
Upright Adjustment	Bottom Adjustment	Side Adjustment	Min. (+0%)	Max. (+80/-0%)				
CTC-6U-050M	CTC-6S-050M	CTC-6H-050M	6.0	50	300 min	-25 ~ +85	NP 0 ± 200	Light Green
CTC-6U-080M	CTC-6S-080M	CTC-6H-080M	8.0	80	300 min	-25 ~ +85	N 450 ± 300	Gray
CTC-6U-100M	CTC-6S-100M	CTC-6H-100M	9.0	100	300 min	-25 ~ +85	N 750 ± 300	Pink
CTC-6U-120M	CTC-6S-120M	CTC-6H-120M	10.0	120	300 min	-25 ~ +85	N1000 ± 400	Navy Blue

Performance Characteristics

	Single Layer Type	Multilayer Type
Rated Voltage	DC 100V	DC 50V
Dielectric Withstanding Voltage	DC 220V, 1 to 5 sec.	DC 110V, 1 to 5 sec.
Insulation Resistance	10 ⁴ MΩ (DC 100V, Cmax)	10 ⁴ MΩ (DC 50V, Cmax)
Torque	20~150 g•cm	20~150 g•cm



Resistance To Hot Water (SC2 Type) (dwell time = 120 sec., Temp = 80°C)



Ceramic Trimmer Capacitors



CTC-6 Series

Test Conditions (Capacitance is fixed at 90% +0/-10% of the maximum capacitance for testing)

Item	Conditions	Specification	
Humidity Test	40±2°C, 90 to 95% RH for 96 ±4hours Measure after 1 +1/-0 hours in room conditions	Capacitance Change	±5% max.
		Q Factor	50% min. of rating
		Insulation Resistance	10 ⁴ MΩ min.
High Temperature Load Test	85±3°C, twice voltage of rating for 96±4 hours Measure after 24±1 hours in room conditions	Capacitance Change	±5% max.
		Q Factor	50% min. of rating
		Insulation Resistance	10 ⁴ MΩ min.
Temperature Cycle Test	10 cycles of -25°C for 30 minutes, ambient temp. for 15 minutes, +85°C for 30 minutes. Measure after 1 +1/-0 hours in room conditions	Capacitance Change	±5% max.
		Q Factor	50% min. of rating
		Insulation Resistance	10 ⁴ MΩ min.
Low Temperature Test	-25±3°C for 96±4 hours Measure after 1 +1/-0 hours in room conditions	Capacitance Change	±5% max.
		Q Factor	50% min. of rating
		Insulation Resistance	10 ⁴ MΩ min.
Solder Heat Test	Solder dip terminals no closer than 1mm from the body for 5±0.5 seconds in 270±5°C solder pot. Measure after 1 +1/-0 hours in room conditions	Capacitance Change	±5% max.
		Q Factor	50% min. of rating
		Insulation Resistance	10 ⁴ MΩ min.
Rotation Test	100 cycles of rotation at 20 RPM, 180° clockwise, 360° counter-clockwise, 180° clockwise	Capacitance Change	±12% max.
		Torque	20~150 g·cm
Vibration Test	2 hours in each of X, Y and Z axis (6 hours total), 10 Hz to 55 Hz, 1.5 mm amplitude. Measure after 1 +1/-0 hours.	Capacitance Change	±3% max.
		Q Factor	50% min. of rating
		Torque	20~150 g·cm
		Appearance	No evidence of damage
Lead Terminal Pull Strength	Apply vertical weight on both terminals gradually up to 250g and hold it for 10 seconds.	No mechanical damage	