

# TSC3S

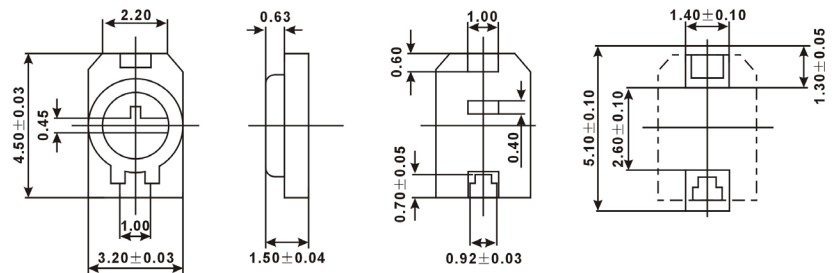
## FEATURES

- Ultra miniature size with external dimensions of 3.2(W) x 4.5(L) x 1.5(T)mm
- Designed for reflow soldering
- Lowest capacitance drift
- Very good Q and high resonant frequency
- Color coded case permits easy identification
- Sealed construction prevents the penetration of Flux and Dust

Chip Trimmer Capacitors, TSC3S Series, are miniature and ultra-thin type surface mounting device, and are recommended for miniaturization of electronic equipment.

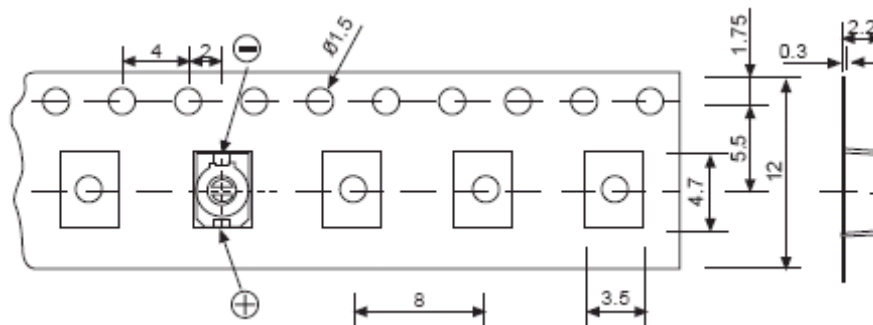
The capacity drift after adjustment is very low and having a very thin dustproof structure, these capacitors are most suited to the fine adjustment of items.

The plastic is a high temperature liquid-crystal polymer with low dielectric loss and good mechanical strength.



## Ratings and Characteristics

Item \ Part No	TSC3S503T1R 3pF Black	TSC3S506T1R 6pF Blue	TSC3S510T1R 10pF Ivory	TSC3S520T1R 20pF Pink	TSC3S530T1R 30pF Green
Capacitance(pF Min)	1.7 MAX	2.0 MAX	3.0 MAX	5.5 MAX	8.0 MAX
Capacitance(pF Max)	4.0 <sup>+50</sup> -0%	6.0 <sup>+50</sup> -0%	10.0 <sup>+50</sup> -0%	20.0 <sup>+50</sup> -0%	30.0 <sup>+50</sup> -0%
Capacitance Drift (Max)	±2%	±2%	±2%	±3%	±3%
Temperature Coefficient (ppm/°C)	NPO±300	NPO±200	N600±400	N900±400	N1200±300
Q Value (at 1 Mhz, C max)	300min	500 min	700 min	500 min	300 min
Insulation Resistance	10 <sup>4</sup> MΩ Min				
Torque	15~72 gf.cm				
DC Working Voltage	100 VDC	100 VDC	100 VDC	100 VDC	100 VDC
DC Withstanding Voltage	220 VDC	220 VDC	220 VDC	220 VDC	220 VDC
Operating Temperature	-25°C to 85°C				



Note: Specification are subject to change without notice. For more detail and update, please visit our website.