



## CHIP CERAMIC TRIMMER CAPACITORS

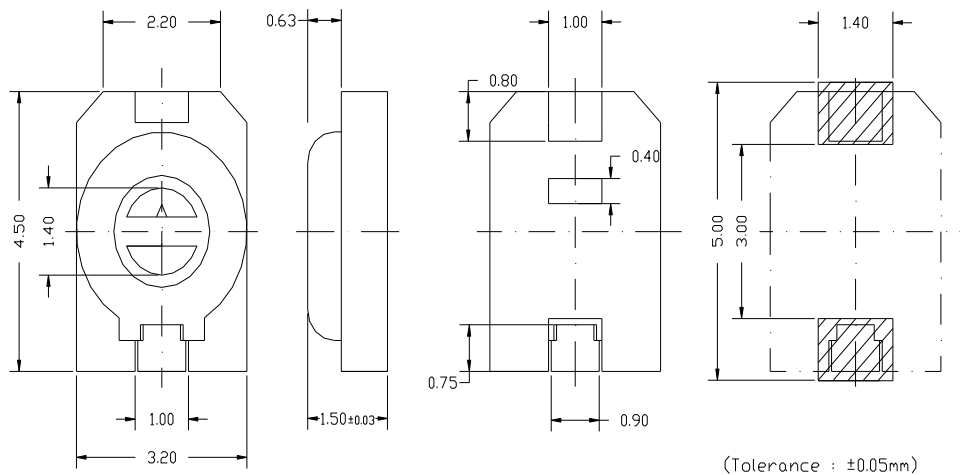
Chip Ceramic Trimmer Capacitors, **VC03R** Series, are miniature and ultra-thin type surface mounting devices, and are recommended for miniaturization of electronic equipment

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.

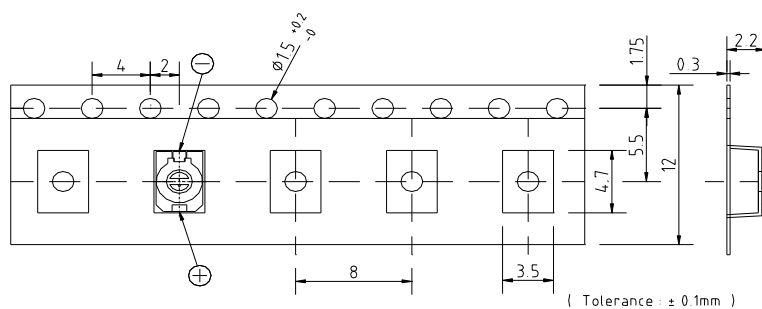
The plastic is a high temperature liquid-crystal polymer with low dielectric loss and good mechanical strength.



### □ Dimensions and Standard Land Patterns



### □ Tape and Reel Specifications





# CHIP CERAMIC TRIMMER CAPACITORS

Chip Ceramic Trimmer Capacitors, **VC03R** Series, are miniature and ultra-thin type surface mounting devices, and are recommended for miniaturization of electronic equipment

## □ Features

1. Small size with external dimension of 3.2(W)×4.5(L)×1.5(H) mm.
2. Designed for reflow soldering.( surface mount applications )
3. Lowest capacitance drift.
4. Very good Q and high resonant frequency
5. Color coded case permits easy identification
6. Sealed construction prevents the penetration of Flux and Dust.
7. Longer rotation lifecycle

## □ Applications

- Hybrid ICs and micro module
- Portable radio equipment and portable cassette tape player
- VTR camera and Camcorders
- Pagers
- Cordless telephones and Mobile telephones

## □ Ratings and Characteristics

	VC03RSM03	VC03RSM06	VC03RSM10	VC03RSM20	VC03RSM30
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> <sub>-0</sub> %	6.0 <sup>+50</sup> <sub>-0</sub> %	10.0 <sup>+50</sup> <sub>-0</sub> %	20.0 <sup>+50</sup> <sub>-0</sub> %	30.0 <sup>+50</sup> <sub>-0</sub> %
Temperature Coefficient ( ppm / °C )	NPO±300	NPO±200	N600±400	N900±400	N1200±300
Capacitance Drift (Max.)	± 2%	± 2%	± 2%	± 3%	± 3%
Q Value (at 1 MHz, C max )	500 Min	500 Min	700 Min	500 Min	300 Min
Case Color	Black	Blue	Ivory	Pink	Green
Insulation Resistance	10 <sup>4</sup> MΩ Min.				
Torque	10~72 gf-cm				
DC Working Voltage	100 VDC				
DC Withstanding Voltage	220 VDC				
Operating Temperature	-25°C to 85°C				

## □ Parts Numbering

VC03 R SM 03  
 1 1 2 3 4

## □ Packing

1000pcs/reel

1. Ceramic trimmer capacitor VC03 Series
2. R: Plastic Case
3. Terminal type (Surface mounting)
4. Nominal Maximum Capacitance Value