

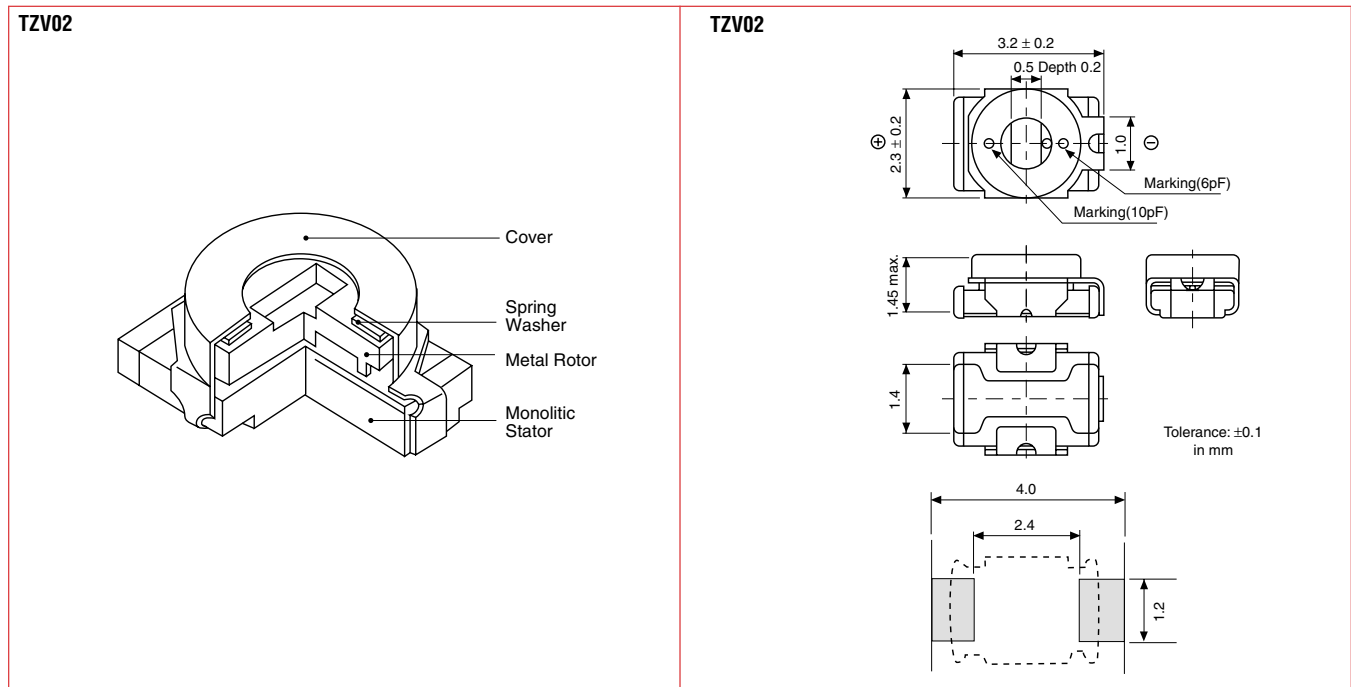


The latest generation of chip trimming capacitors uses Murata Electronic's technology advancements in monolithic construction to obtain an ultra stable, ultra small package with a maximum height of only 1.45mm. The TZV02 is best suited for applications where package size and high reliability are the foremost concerns.

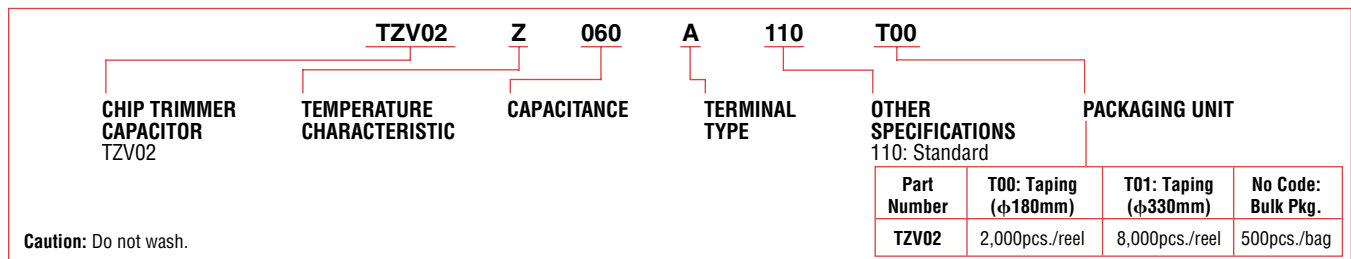
### FEATURES

- Smallest size available – just 2.3mm x 3.2mm x 1.45mm
- Designed for auto-placement in surface mount applications.
- Superior heat resistant characteristics against reflow soldering temperatures.
- Rugged construction provides minimized capacitance drift after adjusting.

### DIMENSIONS: mm



### PART NUMBERING SYSTEM



### SPECIFICATIONS

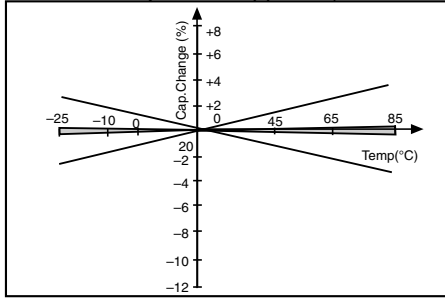
Part Number	Capacitance (pF)		Temperature Coefficient (ppm/°C)	Q (1MHz, C max.)	Stator Color
	Min. (max.)	Max. ( $\pm 100\%$ )			
<b>TZV02Z2R5A110*</b>	0.65	2.5	NPO $\pm 300$ (0 $\pm 300$ )	200 min.*	White
<b>TZV02Z030A110*</b>	1.5	3.0	NPO $\pm 300$ (0 $\pm 300$ )	300 min.	Light Green
<b>TZV02Z060A110*</b>	2.5	6.0	NPO $\pm 300$ (0 $\pm 300$ )	500 min.	Light Green + Marking
<b>TZV02Z100A110*</b>	3.0	10.0	NPO $\pm 300$ (0 $\pm 300$ )	500 min.	Light Green + Marking
<b>TZV02R200A110*</b>	4.5	20.0	N750 $\pm 500$ (-750 $\pm 500$ )	500 min.	Brown

• Rated Voltage...25VDC • Withstanding Voltage...55VDC • Insulation Resistance... $10^4$ M ohms min.  
 • Driving Torque...1.0 to 9.8mNm (10 to 100g-cm) • Working Temperature Range...-25 to +85°C \*at 200MHz (Z2R5 only)  
 \*Note: TZV02 is optional product, not recommended for new design.

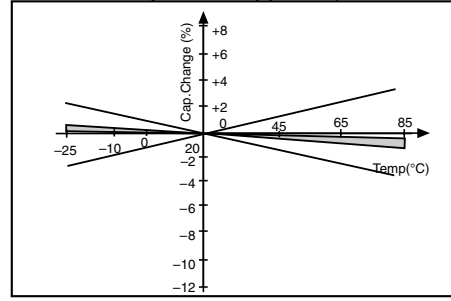
TRIMMER CAPACITORS

**TEMPERATURE COEFFICIENT CHARACTERISTICS**

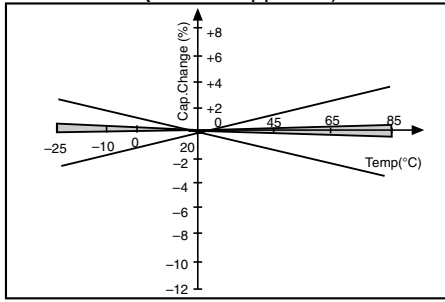
**TZV02Z2R5 (NP0±300ppm/°C)**



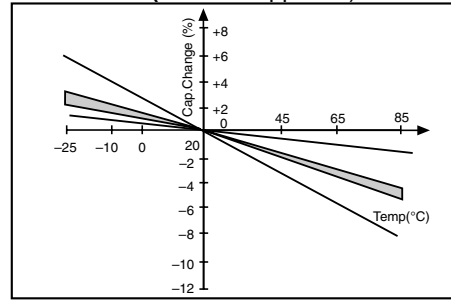
**TZV02Z060 (NP0±300ppm/°C)**



**TZV02Z100 (NP0±300ppm/°C)**



**TZV02R200 (N750±500ppm/°C)**



**Q AND CAPACITANCE VS. FREQUENCY CHARACTERISTICS**

Characteristics are measured at the maximum rated capacitance value position using an RF impedance analyzer.

