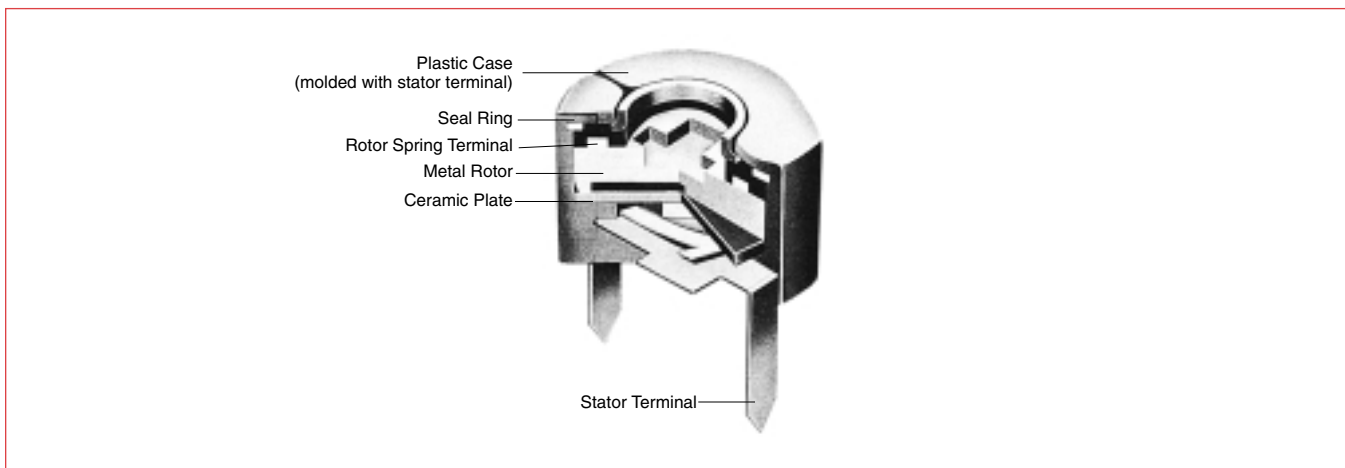


The TZ Series ceramic trimmer capacitors are built into and protected by a color coded plastic case. This unique, axle-less and solder-less construction protects the unit from damages during assembly and provides exceptionally linear temperature coefficient at low cost.

FEATURES

- Excellent shock and vibration resistance
- Exceptionally linear TC
- Dust and flux resistant construction
- Plastic case meets UL94V-0
- Available on tape and reel for automatic insertion



SPECIFICATIONS

Working Voltage: 100VDC or 50VDC

Withstanding Voltage: 220VDC (100V units) or 110VDC (50V units)

Insulation Resistance: $10^4 M\Omega$ min. (50VDC, C max.)

Driving Torque: 1.96 to 14.7mNm (20 to 150)

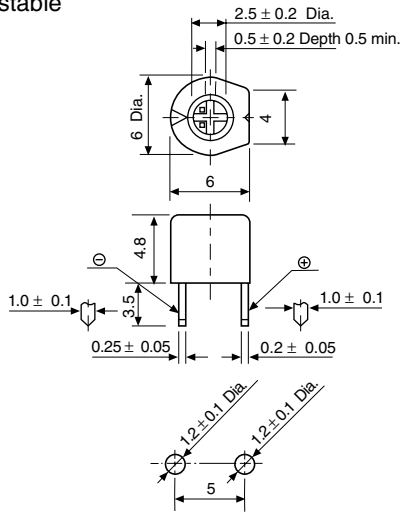
Part Number	Capacitance (pF)		Temp. Coeff. (ppm/°C)	Q (1MHz, °C max.)	Temperature (°C)	Case Color
	Min.	Max.				
SINGLE CERAMIC PLATE TYPE, 100V SERIES						
★TZ03Z2R3□□169	1.25	2.3 ^{-0/+50%}	NP0 ± 200	300 min.	-55 to +85	Black
★TZ03Z050□□169	1.8	5.0 ^{-0/+50%}	NP0 ± 200	500 min.	-55 to +85	Blue
★TZ03Z070□□169	2.0	7.0 ^{-0/+50%}	NP0 ± 200	500 min.	-55 to +85	Blue
★TZ03Z100□□169	2.7	10.0 ^{-0/+50%}	NP0 ± 200	500 min.	-55 to +85	Blue
★TZ03N100□□169	2.1	10.0 ^{-0/+50%}	N200 ± 200	500 min.	-55 to +85	White
★TZ03T110□□169	3.0	11.0 ^{-0/+50%}	N450 ± 300	500 min.	-55 to +85	White
★TZ03T200□□169	4.2	20.0 ^{-0/+50%}	N450 ± 300	500 min.	-55 to +85	Pink
★TZ03R200□□169	4.2	20.0 ^{-0/+50%}	N750 ± 300	500 min.	-55 to +85	Red
★TZ03R300□□169	5.2	30.0 ^{-0/+50%}	N750 ± 300	500 min.	-55 to +85	Green
★TZ03P450□□169	6.8	45.0 ^{-0/+50%}	N1200 ± 500	300 min.	-55 to +85	Yellow
★TZ03P600□□169	9.8	60.0 ^{-0/+50%}	N1200 ± 500	300 min.	-55 to +85	Brown
MONOLITHIC CERAMIC PLATE TYPE, 50V SERIES						
★TZ03Z500□□169	6.0	50.0 ^{-0/+100%}	NP0 ± 300	300 min.	-55 to +85	Orange
★TZ03R900□□169	9.0	90.0 ^{-0/+100%}	N750 ± 300	300 min.	-55 to +85	Black + Marking
★TZ03R121□□169	10.0	120.0 ^{-0/+100%}	N750 ± 300	300 min.	-55 to +85	Black

□□: Terminal Shape Stray capacitance for side adjustment (YR type) adaptor is .2pF.

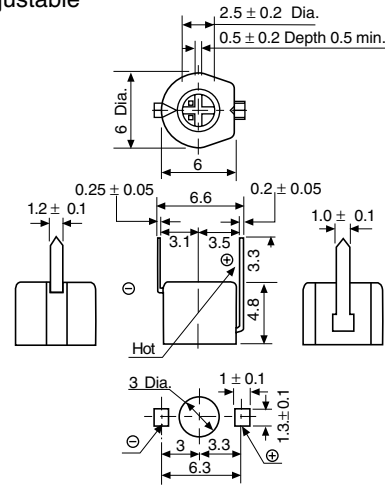
★Available as standard through authorized Murata Electronics Distributors.

DIMENSIONS: mm

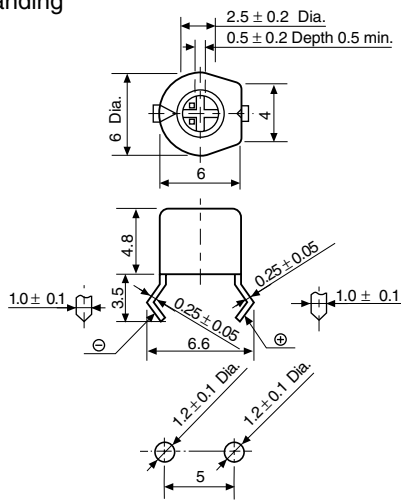
★ER TYPE Top Adjustable



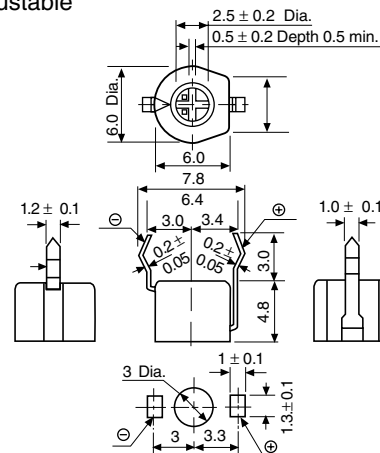
BR TYPE Bottom Adjustable



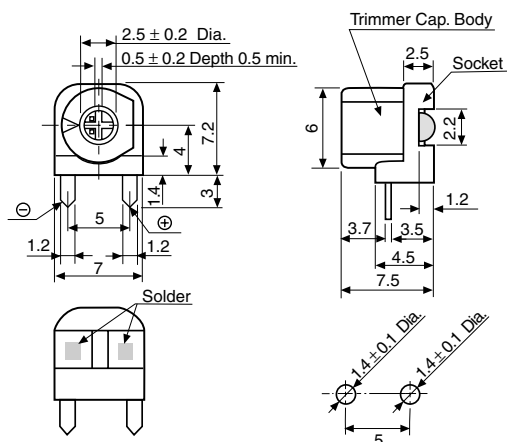
★FR TYPE Self-Standing



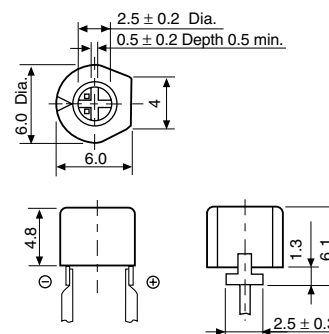
NR TYPE Self-Standing Bottom Adjustable



YR TYPE Side Adjustable



TR TYPE Radial Taping Terminal Style



Notes: Common dimensions shown on ER Style. Tolerances (unless otherwise shown) ±0.5mm

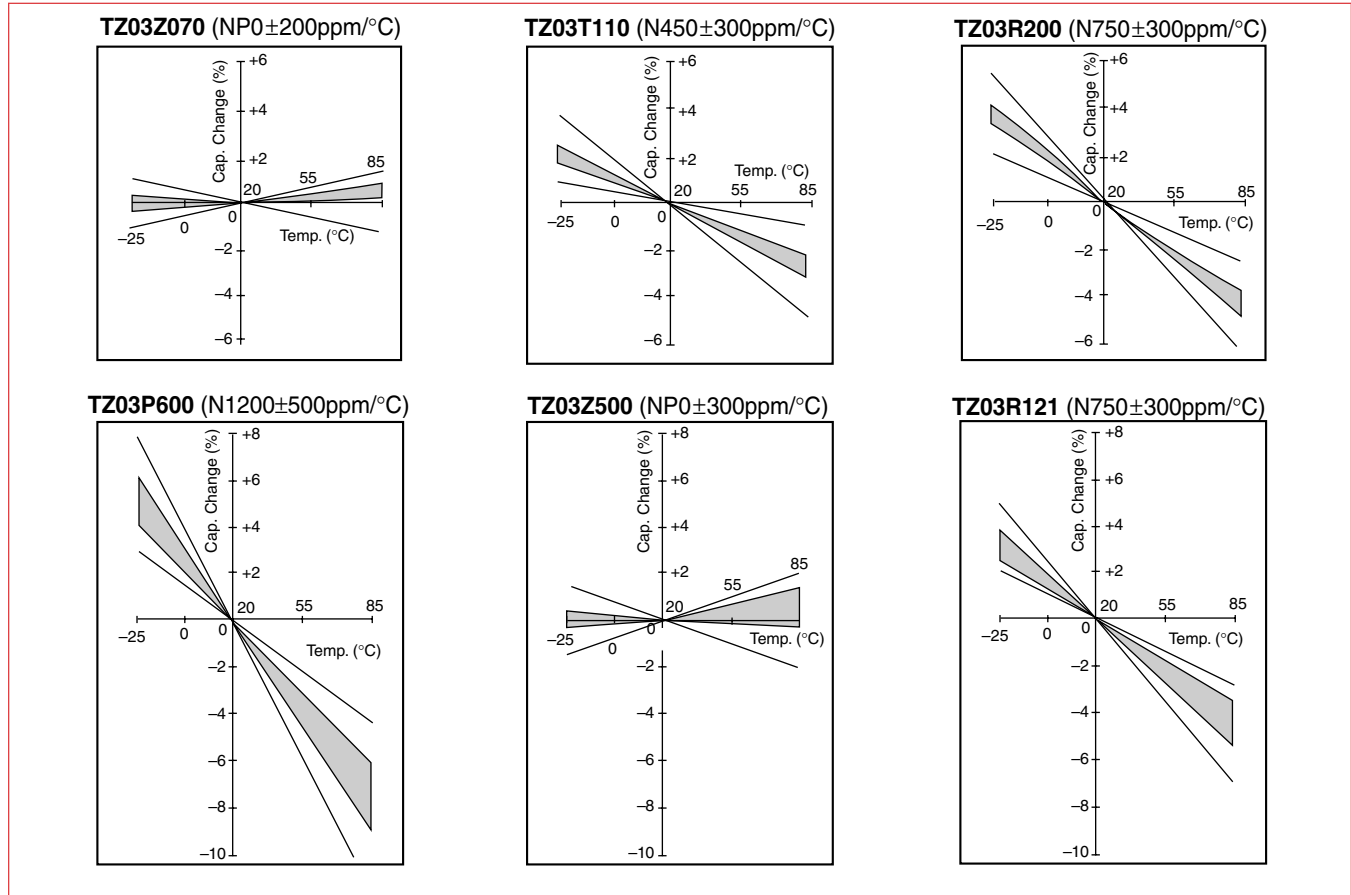
When ordering, ER, FR, BR, YR and NR are all bulk parts. If tape and ammo pack is desired, then an example part number would be TZ03Z070TR169T00.

★ Available as standard through authorized Murata Electronics Distributors. T00 is available only TR style.

TRIMMER CAPACITORS

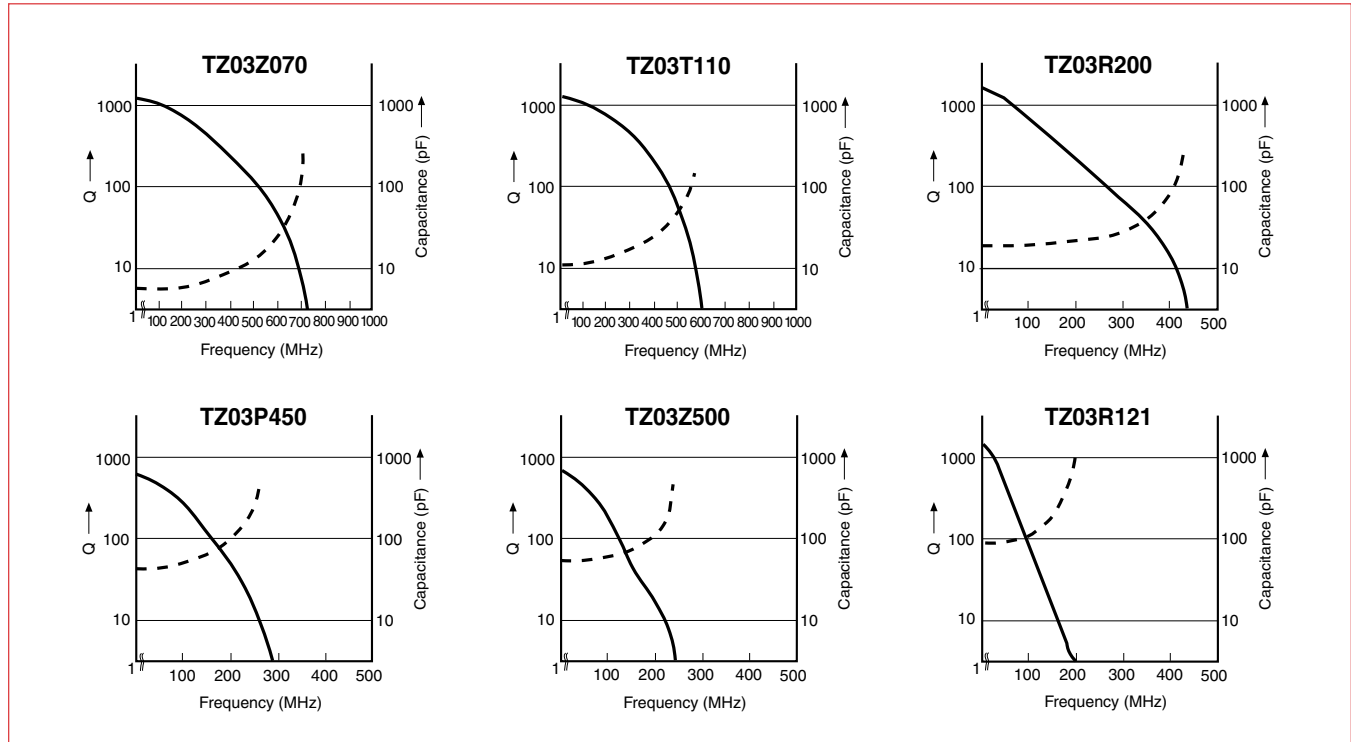
TECHNICAL DATA

Temperature Characteristics



Q AND CAPACITANCE VS. FREQUENCY CHARACTERISTICS

Characteristics on curves are measured at the position of maximum rated capacitance value using RF impedance analyzer.



TRIMMER CAPACITORS