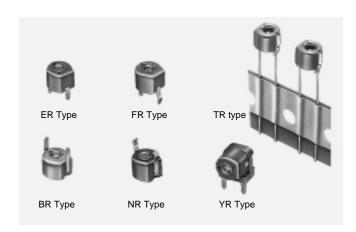
TRIMMER CAPACITORS LEADED TRIMMER CAPACITORS

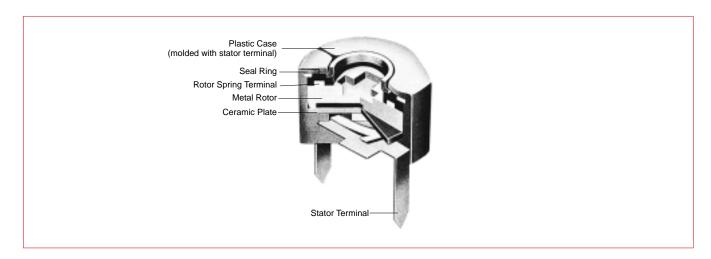




The TZ Series ceramic trimmer capacitors are built into and protected by a color coded plastic case. This unique, axle-less and solder-less construction protects the unit from damages during assembly and provides exceptionally linear temperature coefficient at low cost.

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.	Q	Temperature	Coop Color
	Min.	Max.	(ppm/°C)	(1MHz, °C max.)	(°C)	Case Color
SINGLE CERAMIC PLATE T	YPE, 100V SERIES					
*TZ03Z2R3□□169	1.25	2.3 +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 +50 %	N450 ± 300	500 min.	-55 to +85	White
*TZ03T200□□169	4.2	20.0 +50%	N450 ± 300	500 min.	-55 to +85	Pink
*TZ03R200□□169	4.2	20.0 +50%	N750 ± 300	500 min.	-55 to +85	Red
*TZ03R300□□169	5.2	30.0 +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 +50%	N1200 ± 500	300 min.	-55 to +85	Brown
*TZ03P700□□169	12.0	70.0 +50%	N1200 ± 500	300 min.	-55 to +85	Brown
MONOLITHIC CERAMIC PLA	ATE TYPE, 50V SERIE	S				
*TZ03Z500□□169	6.0	50.0 +100%	NP0 ± 300	300 min.	-55 to +85	Orange
*TZ03R900□□169	9.0	90.0 ⁻⁰ %	N750 ± 300	300 min.	-55 to +85	Black + Marking
*TZ03R121□□169	10.0	120.0 +100%	N750 ± 300	300 min.	-55 to +85	Black

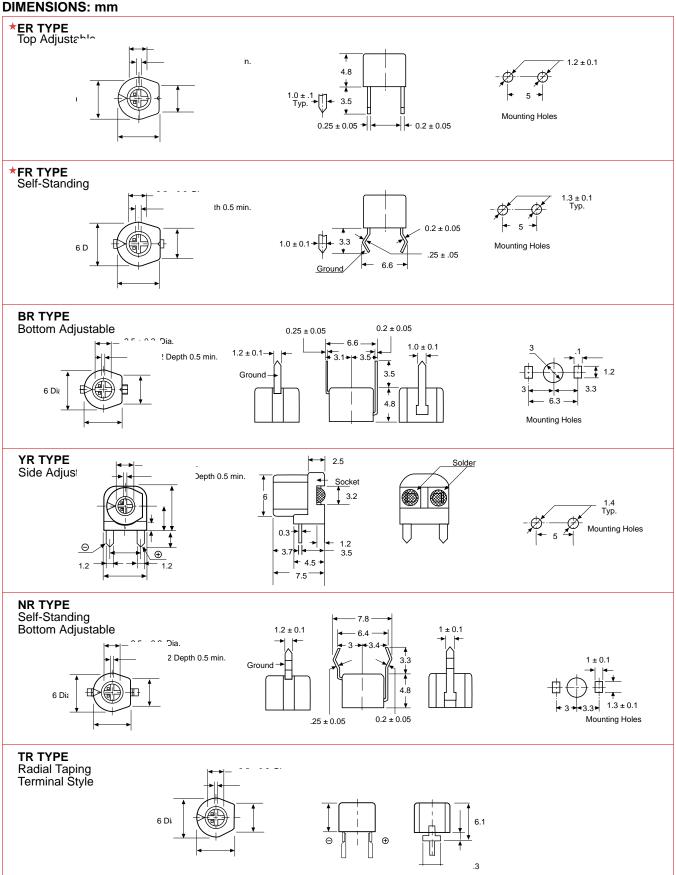
^{□□:} Terminal Shape Stray capacitance for side adjustment (YR type) adaptor is .2pF.

^{*}Available as standard through authorized Murata Electronics Distributors.

TRIMMER CAPACITORS

LEADED TRIMMER CAPACITORS





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

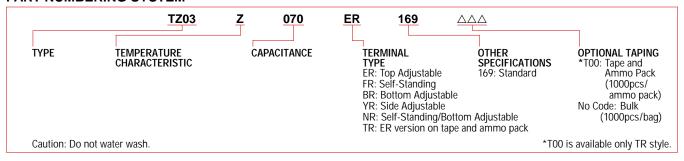
When ordering, ER, FR, BR, YR and NR are all bulk parts. If tape and ammo pack is desired, then an example part number would be TZ03Z070TR169T00.

^{*}Available as standard through authorized Murata Electronics Distributors. T00 is available only TR style.

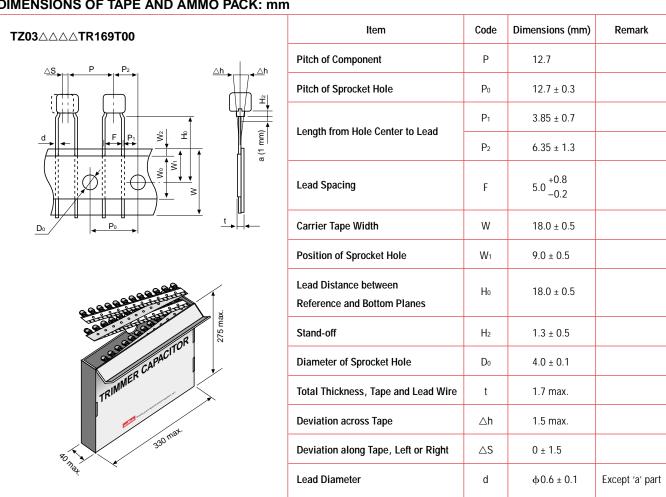
TRIMMER CAPACITORS LEADED TRIMMER CAPACITORS



PART NUMBERING SYSTEM



DIMENSIONS OF TAPE AND AMMO PACK: mm



Cautions In Handling:

Do not use in water wash process.

Do not use water soluble flux for soldering.

When hand soldering, avoid contact of the soldering iron to the plastic case.

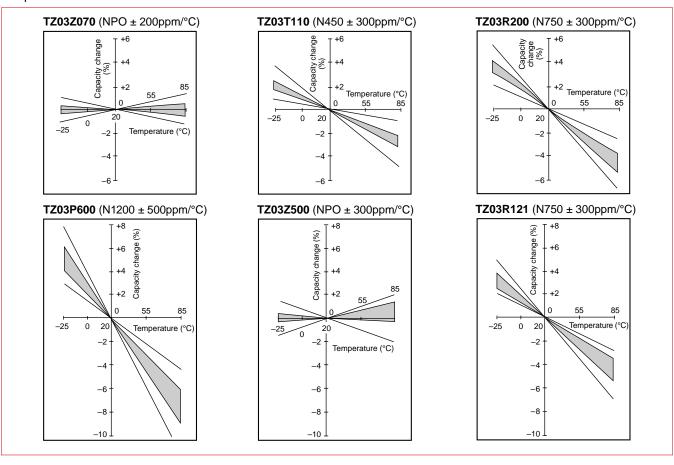
Do not use locking adhesives to secure rotor in place.

Avoid applying excessive force to terminals.



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.

