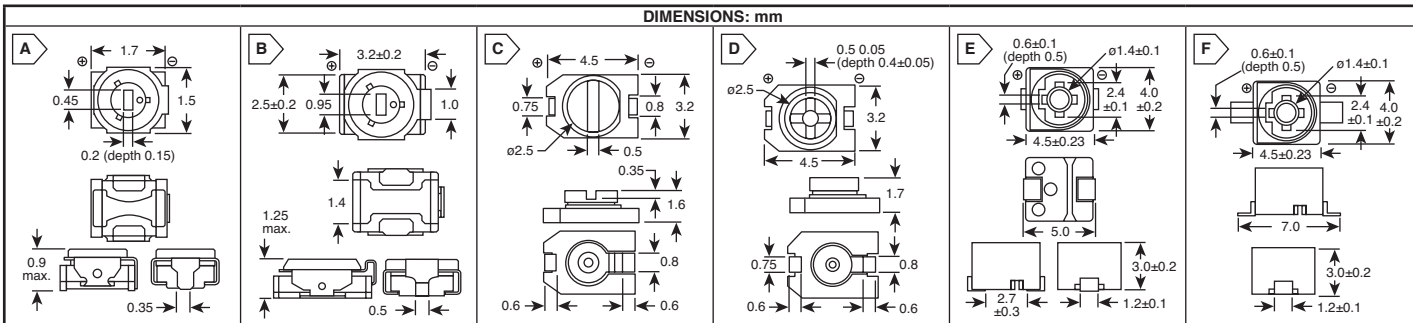


MURATA Lead Free SMD Ceramic Trimmer Capacitors



TZR1 SERIES

Features:

Unique construction with no plastic material provides superior soldering heat resistance to maintain excellent characteristic performance after reflow soldering. Suitable for high frequency circuit due to high self resonant frequency.

Specifications:

- Operating Temperature: -25°C to +85°C
- Insulation Resistance: 10,000MΩ min.
- Torque: 0.1 to 1.0mNm

MOUSER STOCK NO.	Murata Part No.	Fig.	C. Min (pF) Max	C. Max (pF)	TCC (ppm/°C)	Q	Rated Voltage	Withstanding Voltage	Price Each			Reel Qty.	Price Each
									1	50	100		
81-TZR1Z1R5A001R00	TZR1Z1R5A001R00	A	0.7	1.5 +100/-0%	NP0 ± 300	200 Min. @ 200MHz Cmax	25Vdc	55Vdc	5.67	4.55	4.11	3000	2.35
81-TZR1Z040A001R00	TZR1Z040A001R00	A	1.5	4.0 +100/-0%	NP0 ± 500	300 Min. @ 1MHz Cmax	25Vdc	55Vdc	5.67	4.55	4.11	3000	2.35
81-TZR1R080A001R00	TZR1R080A001R00	A	3.0	8.0 +100/-0%	N750 ± 500	300 Min. @ 1MHz Cmax	25Vdc	55Vdc	5.67	4.55	4.11	3000	2.35

TZY2 SERIES

Features:

New shape of cover can improve the flux invasion compared with current products. Improvement of the adhesion between rotor and stator leads to superior stability. Unique construction with no plastic material provides superior soldering heat resistance to maintain excellent characteristic performance after reflow soldering. Suitable for high frequency circuit due to high self resonant frequency.

Specifications:

- Operating Temperature: -25°C to +85°C
- Insulation Resistance: 10,000MΩ min.
- Torque: 0.5 to 5.0mNm

MOUSER STOCK NO.	Murata Part No.	Fig.	C. Min (pF) Max	C. Max (pF)	TCC (ppm/°C)	Q	Rated Voltage	Withstanding Voltage	Price Each			Reel Qty.	Price Each
									1	50	100		
81-TZY2Z010A001R00	TZY2Z010A001R00	B	0.5	1.0 +100/-0%	NP0 ± 300	200 Min. @ 200MHz Cmax	25Vdc	55Vdc	1.48	1.05	.982	2000	.496
81-TZY2Z2R5A001R00	TZY2Z2R5A001R00	B	0.7	2.5 +100/-0%	NP0 ± 300	200 Min. @ 100MHz Cmax	25Vdc	55Vdc	1.14	.789	.703	2000	.34
81-TZY2Z030A001R00	TZY2Z030A001R00	B	1.5	3.0 +100/-0%	NP0 ± 300	300 Min. @ 1MHz Cmax	25Vdc	55Vdc	1.14	.789	.703	2000	.34
81-TZY2Z060A001R00	TZY2Z060A001R00	B	2.5	6.0 +100/-0%	NP0 ± 300	500 Min. @ 1MHz Cmax	25Vdc	55Vdc	1.14	.789	.703	2000	.34
81-TZY2Z100A001R00	TZY2Z100A001R00	B	3.0	10.0 +100/-0%	NP0 ± 300	500 Min. @ 1MHz Cmax	25Vdc	55Vdc	1.14	.789	.703	2000	.34
81-TZY2R200A001R00	TZY2R200A001R00	B	4.5	20.0 +100/-0%	N750 ± 500	500 Min. @ 1MHz Cmax	25Vdc	55Vdc	1.14	.789	.703	2000	.34
81-TZY2R250A001R00	TZY2R250A001R00	B	5.5	25.0 +100/-0%	N750 ± 500	300 Min. @ 1MHz Cmax	25Vdc	55Vdc	1.14	.789	.703	2000	.34
81-TZY2K450A001R00	TZY2K450A001R00	B	8.0	45.0 +100/-0%	N1000 ± 500	300 Min. @ 1MHz Cmax	25Vdc	55Vdc	1.41	.947	.865	2000	.418

TZC3 SERIES

Features:

Color coded stator permits easy identification of capacitance and reduces mounting errors. Can be adjusted with conventional adjustment tools having a thickness of 0.5mm. Designed for automatic placement in surface mount applications. Heat resistant resin withstands reflow soldering temperature.

Specifications:

- Operating Temperature: -25°C to +85°C
- Insulation Resistance: 10,000MΩ min.
- Torque: 1.5 to 10.0mNm

MOUSER STOCK NO.	Murata Part No.	Fig.	C. Min (pF) Max	C. Max (pF)	TCC (ppm/°C)	Q	Rated Voltage	Withstand Voltage	Stator/Case Color	Price Each			Reel Qty.	Price Each
										1	50	100		
81-TZC3Z030A110R00	TZC3Z030A110R00	C	1.4	3.0 +50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Brown	1.20	.842	.732	1000	.353
81-TZC3Z060A110R00	TZC3Z060A110R00	C	2.0	6.0 +50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	1.20	.842	.732	1000	.353
81-TZC3R100A110R00	TZC3R100A110R00	C	3.0	10.0 +50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	1.20	.842	.732	1000	.353
81-TZC3P200A110R00	TZC3P200A110R00	C	5.0	20.0 +50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	1.20	.842	.732	1000	.353
81-TZC3P300A110R00	TZC3P300A110R00	C	6.5	30.0 +50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green	1.20	.842	.732	1000	.353
81-TZC3Z060A310R00	TZC3Z060A310R00	D	2.0	6.0 +50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	1.05	.70	.643	1000	.311
81-TZC3R100A310R00	TZC3R100A310R00	D	3.0	10.0 +50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	1.05	.70	.643	1000	.311
81-TZC3P300A310R00	TZC3P300A310R00	D	6.5	30.0 +50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green	1.05	.70	.643	1000	.311

TZB4 SERIES

Features:

Color coded case facilitates identification of capacitance range. Designed for automatic placement in surface mount applications.

Specifications:

- Operating Temperature: -25°C to +85°C
- Insulation Resistance: 10,000MΩ min.
- Torque: 1.5 to 10.0mNm

MOUSER STOCK NO.	Murata Part No.	Fig.	C. Min (pF) Max	C. Max (pF)	TCC (ppm/°C)	Q	Rated Voltage	Withstand Voltage	Stator/Case Color	Price Each			Reel Qty.	Price Each
										1	50	100		
81-TZB4Z030AA10R00	TZB4Z030AA10R00	E	1.4	3.0 +50/-0%	NP0 ± 200	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Brown	1.27	.842	.779	500	.377
81-TZB4Z060AA10R00	TZB4Z060AA10R00	E	2.0	6.0 +50/-0%	NP0 ± 200	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	1.27	.842	.779	500	.377
81-TZB4Z100AA10R00	TZB4Z100AA10R00	E	3.0	10.0 +50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	1.27	.842	.779	500	.377
81-TZB4Z250AA10R00	TZB4Z250AA10R00	E	4.0	25.0 +50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	2.06	1.47	1.35	500	.688
81-TZB4R200AA10R00	TZB4R200AA10R00	E	4.5	20.0 +50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	1.27	.842	.779	500	.377
81-TZB4P300AA10R00	TZB4P300AA10R00	E	6.5	30.0 +50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green	1.27	.842	.779	500	.377
81-TZB4R500AA10R00	TZB4R500AA10R00	E	7.0	50.0 +50/-0%	N750 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	2.06	1.47	1.35	500	.688
81-TZB4P400AA10R00	TZB4P400AA10R00	E	8.5	40.0 +50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Yellow	1.27	.842	.779	500	.377
81-TZB4Z030BA10R00	TZB4Z030BA10R00	F	1.4	3.0 +50/-0%	NP0 ± 200	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Brown	1.27	.842	.779	500	.377
81-TZB4Z060BA10R00	TZB4Z060BA10R00	F	2.0	6.0 +50/-0%	NP0 ± 200	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	1.27	.842	.779	500	.377
81-TZB4Z100BA10R00	TZB4Z100BA10R00	F	3.0	10.0 +50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	1.27	.842	.779	500	.377
81-TZB4Z250BA10R00	TZB4Z250BA10R00	F	4.0	25.0 +50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	2.06	1.47	1.35	500	.688
81-TZB4R200BA10R00	TZB4R200BA10R00	F	4.5	20.0 +50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	1.27	.842	.779	500	.377
81-TZB4P300BA10R00	TZB4P300BA10R00	F	6.5	30.0 +50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green	1.27	.842	.779	500	.377
81-TZB4R500BA10R00	TZB4R500BA10R00	F	7.0	50.0 +50/-0%	N750 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	2.06	1.47	1.35	500	.688
81-TZB4P400BA10R00	TZB4P400BA10R00	F	8.5	40.0 +50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Yellow	1.27	.842	.779	500	.377
81-TZB4Z060AB10R00	TZB4Z060AB10R00	E	2.0	6.0 +50/-0%	NP0 ± 200	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	1.43	.969	.884	500	.716
81-TZB4Z100AB10R00	TZB4Z100AB10R00	E	3.0	10.0 +50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	1.43	.969	.884	500	.716
81-TZB4Z250AB10R00	TZB4Z250AB10R00	E	4.0	25.0 +50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	2.00	1.48	1.36	500	.859
81-TZB4R200AB10R00	TZB4R200AB10R00	E	4.5	20.0 +50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	1.43	.969	.884	500	.716
81-TZB4P300AB10R00	TZB4P300AB10R00	E	6.5	30.0 +50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green	1.43	.969	.884	500	.716
81-TZB4R500AB10R00	TZB4R500AB10R00	E	7.0	50.0 +50/-0%	N750 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	2.07	1.48	1.36	500	.859
81-TZB4Z060BB10R00	TZB4Z060BB10R00	F	2.0	6.0 +50/-0%	NP0 ± 200	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	1.43	.969	.884	500	.716
81-TZB4Z100BB10R00	TZB4Z100BB10R00	F	3.0	10.0 +50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	1.43	.969	.884	500	.716
81-TZB4Z250BB10R00	TZB4Z250BB10R00	F	4.0	25.0 +50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	2.07	1.48	1.36	500	.859
81-TZB4R200BB10R00	TZB4R200BB10R00	F	4.5	20.0 +50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	1.43	.969	.884	500	.716
81-TZB4R500BB10R00	TZB4R500BB10R00	F	7.0	50.0 +50/-0%	N750 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	2.07	1.48	1.36	500	.859