Document Receipt Acknowledgement					
Date:					
Section:					
Name:					



Attention:

DIGI-KEY/THIEF RIVER FALLS/MN/HQ

Product Withdrawal Notice

Ceramic Trimmer Capacitor TZ Series

Dear Valued Customer,

Thank you very much for your great and continuous support for business with Murata. This is the official notification that one of our products will be discontinued as detailed below. Please review documents and kindly indicate your feedback for this Notice in writing by due date. Also, please place Last Time Buy Order by the Last Time Order Due Date as needed. Your understanding and support are highly appreciated.

1. Product Type, Customer/Murata/Alternative Part Numbers:

Product Type: Ceramic Trimmer Capacitor TZ Series

It includes all Trimmer Capacitors (TZ***) and all adjustment tools (KM***).

Please refer to the attached documents for detailed competitors Part Numbers' information.

Accumulation delivery quantity after April, 2013 1,812,240

2. Reasons/Background:

Demand decreased due to the rise of alternative adjustment method of mechanical adjustment method using TZ series product. Because production scale reduced with demand decrease, business maintenance became difficult.

3. Product Withdrawal Schedule and Feedback Due

Feedback items	Feedback Due	Explanation		
1. Confirmation		Please choose an applicable response from		
Letter (Page 2)	Mar.,31,2019	choices mentioned in Page 2. Please fill out		
	Mai.,31,2019	required quantity if you need after April 1, 2019		
2. Last Time Order	Mar.,31,2019	If it is difficult to meet Last time Due or Last		
Due	Mai.,31,2019	Shipment Due Dates written in left column,		
3. Last Shipment Due	Mar 21 2021	please fill out your requested due date in		
	Mar.,31,2021	confirmation letter (Page 2).		

4. Contact Window:

Should you have any questions or concerns, please contact Murata Sales, Representative, or Distributor in your area.

Truly Yours. Thank you.

Murata Manufacturing, Co., Ltd. Planning and Promotion Department. Sensor Products Division. General Manager, Yoshitaka Nagao Feedback Due:Mar.,31,2019



DM-TA17-002-A2127

Confirmation Letter

DIGI-KEY/THIEF RIVER FALLS/MN/HQ

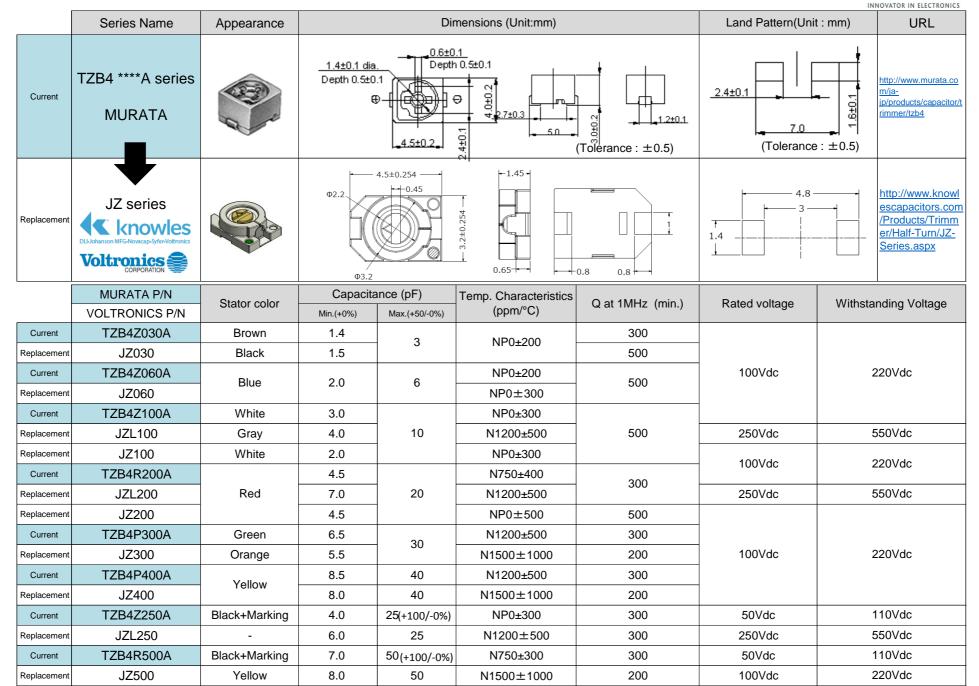
Murata Manufacturing, Co., Ltd.

Product Withdrawal Confirmation

$\begin{tabular}{ll} \hline Withdrawal is approved since countermeasure for replacement or change to alternative technology has been completed. \\ \hline \end{tabular}$
Since we need more time to complete countermeasure for replacement or change to alternative technology, we approve withdrawal under condition that Murata will hold interim stock
Withdrawal is approved since LTB required quantity is decided.
Withdrawal is approved since model/design using this product has ended or abolished and no plan to
[Detail of Interim Stock / LTB Required Stock]
If you need to extend Last Time Order Due or Last Shipment Due, please fill out your request date below. 1. Last Time Order Due:Mar.,31,2019 =>[] 2. Last Shipment Due: Mar.,31,2021 =>[]
Signature Date: (MM, DD, YYYY)
Title:
Name:

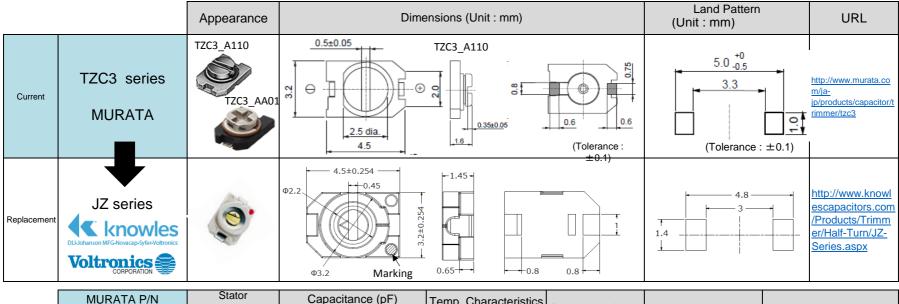
Comparison Table / TZB4_A series VS VOLTRONICS





Comparison Table / TZC3 series VS VOLTRONICS



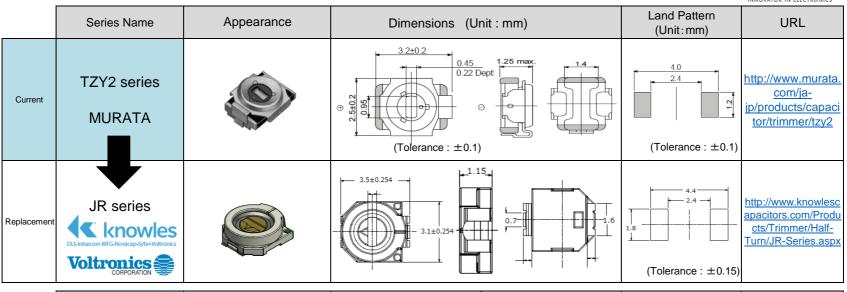


	MURATA P/N	MURATA P/N Stator Capacitance (pF)		Temp. Characteristics	Q at 1MHz (min.)) Rated voltage	Withstanding Valtage	
	VOLTRONICS P/N	Marking	Min.(+0%)	Max.(+50/-0%)	(ppm/°C)	Q at TMH2 (IIIII.)	Nateu voltage	Withstanding Voltage
Current	TZC3Z030	Brown ※1	1.4	3	NP0±300	300	100Vdc	220Vdc
Replacement	JZ030	Black	1.5		NP0±200	500		
Current	TZC3Z060	Blue ※1	2.0	6	NP0±300	500	100Vdc	220Vdc
Replacement	JZ060	Blue	2.0					
Current	TZC3R100	White ※1	3.0		N750±300	500	100Vdc	220Vdc
Replacement	JZL100	Gray	4.0	10	N1200±500	500	250Vdc	550Vdc
Replacement	JZ100	ı	2.0		NP0±300	300	100Vdc	220Vdc
Current	TZC3P200	Red ※1	5.0		N1200±500	300	100Vdc	220Vdc
Replacement	JZL200	Red	7.0	20	N1200±500		250Vdc	550Vdc
	JZ200		4.5		NP0±500	500	100Vdc	220Vdc
Current	TZC3P300	Green ※1	6.5	30	N1200±500	300	100Vdc	220Vdc
Replacement	JZ300	Orange	5.5		N1500±1000	200	100 vac	220 V U C

※1: Stator color of TZC3 □ ▲ ▲ AA01 is black.

Comparison Table / TZY2 series VS VOLTRONICS





	MURATA P/N	Capacitance (pF)		Temp. Characteristics	0 -(4) (- (')	Detect valtes	Withstanding		
	VOLTRONICS P/N	Min.(+0%)	Max.(+100/-0%)	(ppm/°C)	Q at 1MHz (min.)	Rated voltage	Voltage		
Current	TZY2Z010AC01	0.6	1	NP0±300	200	25Vdc	55Vdc		
Replacement		Nonexistent							
Current	TZY2Z2R5AC01	1.0	2.5	NP0±300	200	25Vdc	55Vdc		
Replacement	JR030	1.5	3	NP0±200	500	100Vdc	220Vdc		
Current	TZY2Z030AC01	1.5	3	NP0±300	300	25Vdc	55Vdc		
Replacement	JR030	1.5	3	NP0±200	500	100Vdc	220Vdc		
Current	TZY2Z060AC01	2.5	6	NP0±300	500	25Vdc	55Vdc		
Replacement	JR060	2.0	6	NP0±300		100Vdc	220Vdc		
Current	TZY2Z100AC01	3.0	10	NP0±300	500	25Vdc	55Vdc		
Replacement	JRL100	4.0		N1200±500		250Vdc	550Vdc		
	JR100	2.0	-	NP0±300		100Vdc	220Vdc		
Current	TZY2R200AC01	4.5		N750±500	500	25Vdc	55Vdc		
Replacement.	JRL200	7	20	N1200±500	300	250Vdc	550Vdc		
	JR200	4.5		N750±500	500	100Vdc	220Vdc		
Current	TZY2R250AC01		0.5	N750±500	300	25Vdc	55Vdc		
Replacement	JRL250	5.5	25	N1200±500	300	250Vdc	550Vdc		
Current	TZY2K450AC01	8.0	45	N1000±500	300	25Vdc	55Vdc		
Replacement	JR400		40	N1500±1000	200	100Vdc	220Vdc		