



KZM Series

◆ STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Impedance (Ω max./100kHz)		Rated ripple current (mArms/105°C, 100kHz)	Part No.
				20°C	-10°C		
6.3	220	5 × 11	0.22	0.22	0.80	345	EKZM6R3E□□221ME11D
	470	6.3 × 11	0.22	0.094	0.35	540	EKZM6R3E□□471MF11D
	820	8 × 11.5	0.22	0.056	0.19	945	EKZM6R3E□□821MHB5D
	1,200	8 × 15	0.22	0.045	0.15	1,250	EKZM6R3E□□122MH15D
	1,200	10 × 12.5	0.22	0.039	0.14	1,330	EKZM6R3E□□122MJC5S
	1,500	8 × 20	0.22	0.029	0.11	1,500	EKZM6R3E□□152MH20D
	1,800	10 × 16	0.22	0.028	0.10	1,760	EKZM6R3E□□182MJ16S
	2,200	10 × 20	0.24	0.020	0.060	1,960	EKZM6R3E□□222MJ20S
	2,700	10 × 25	0.24	0.018	0.054	2,250	EKZM6R3E□□272MJ25S
	3,900	12.5 × 20	0.26	0.017	0.043	2,480	EKZM6R3E□□392MK20S
	4,700	12.5 × 25	0.28	0.015	0.038	2,900	EKZM6R3E□□472MK25S
	5,600	12.5 × 30	0.30	0.013	0.033	3,450	EKZM6R3E□□562MK30S
	6,800	12.5 × 35	0.32	0.012	0.031	3,570	EKZM6R3E□□682MK35S
	6,800	16 × 20	0.32	0.015	0.038	3,250	EKZM6R3E□□682ML20S
8,200	16 × 25	0.36	0.013	0.035	3,630	EKZM6R3E□□822ML25S	
10,000	18 × 25	0.40	0.012	0.031	3,650	EKZM6R3E□□103MM25S	
10	150	5 × 11	0.19	0.22	0.80	345	EKZM100E□□151ME11D
	330	6.3 × 11	0.19	0.094	0.35	540	EKZM100E□□331MF11D
	680	8 × 11.5	0.19	0.056	0.19	945	EKZM100E□□681MHB5D
	1,000	8 × 15	0.19	0.045	0.15	1,250	EKZM100E□□102MH15D
	1,000	10 × 12.5	0.19	0.039	0.14	1,330	EKZM100E□□102MJC5S
	1,500	8 × 20	0.19	0.029	0.11	1,500	EKZM100E□□152MH20D
	1,500	10 × 16	0.19	0.028	0.10	1,760	EKZM100E□□152MJ16S
	1,800	10 × 20	0.19	0.020	0.060	1,960	EKZM100E□□182MJ20S
	2,200	10 × 25	0.21	0.018	0.054	2,250	EKZM100E□□222MJ25S
	3,300	12.5 × 20	0.23	0.017	0.043	2,480	EKZM100E□□332MK20S
	3,900	12.5 × 25	0.23	0.015	0.038	2,900	EKZM100E□□392MK25S
	4,700	12.5 × 30	0.25	0.013	0.033	3,450	EKZM100E□□472MK30S
	4,700	16 × 20	0.25	0.015	0.038	3,250	EKZM100E□□472ML20S
	5,600	12.5 × 35	0.27	0.012	0.031	3,570	EKZM100E□□562MK35S
6,800	16 × 25	0.29	0.013	0.035	3,630	EKZM100E□□682ML25S	
8,200	18 × 25	0.33	0.012	0.031	3,650	EKZM100E□□822MM25S	
16	100	5 × 11	0.16	0.22	0.80	345	EKZM160E□□101ME11D
	220	6.3 × 11	0.16	0.094	0.35	540	EKZM160E□□221MF11D
	470	8 × 11.5	0.16	0.056	0.19	945	EKZM160E□□471MHB5D
	680	8 × 15	0.16	0.045	0.15	1,250	EKZM160E□□681MH15D
	680	10 × 12.5	0.16	0.039	0.14	1,330	EKZM160E□□681MJC5S
	1,000	8 × 20	0.16	0.029	0.11	1,500	EKZM160E□□102MH20D
	1,000	10 × 16	0.16	0.028	0.10	1,760	EKZM160E□□102MJ16S
	1,500	10 × 20	0.16	0.020	0.060	1,960	EKZM160E□□152MJ20S
	1,800	10 × 25	0.16	0.018	0.054	2,250	EKZM160E□□182MJ25S
	2,200	12.5 × 20	0.18	0.017	0.043	2,480	EKZM160E□□222MK20S
	2,700	12.5 × 25	0.18	0.015	0.038	2,900	EKZM160E□□272MK25S
	3,300	12.5 × 30	0.20	0.013	0.033	3,450	EKZM160E□□332MK30S
	3,300	16 × 20	0.20	0.015	0.038	3,250	EKZM160E□□332ML20S
	3,900	12.5 × 35	0.20	0.012	0.031	3,570	EKZM160E□□392MK35S
	4,700	16 × 25	0.22	0.013	0.035	3,630	EKZM160E□□472ML25S
	5,600	18 × 25	0.24	0.012	0.031	3,650	EKZM160E□□562MM25S

□□ : Enter the appropriate lead forming or taping code.

Production of the products shown in □□□□ is scheduled to be discontinued.



KZMSeries

◆ **STANDARD RATINGS**

WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Impedance (Ω max./100kHz)		Rated ripple current (mArms/105°C, 100kHz)	Part No.
				20°C	-10°C		
25	68	5 × 11	0.14	0.22	0.80	345	EKZM250E□□680ME11D
	150	6.3 × 11	0.14	0.094	0.35	540	EKZM250E□□151MF11D
	330	8 × 11.5	0.14	0.056	0.19	945	EKZM250E□□331MHB5D
	390	8 × 15	0.14	0.045	0.15	1,250	EKZM250E□□391MH15D
	470	10 × 12.5	0.14	0.039	0.14	1,330	EKZM250E□□471MJC5S
	560	8 × 20	0.14	0.029	0.11	1,500	EKZM250E□□561MH20D
	680	10 × 16	0.14	0.028	0.10	1,760	EKZM250E□□681MJ16S
	820	10 × 20	0.14	0.020	0.060	1,960	EKZM250E□□821MJ20S
	1,000	10 × 25	0.14	0.018	0.054	2,250	EKZM250E□□102MJ25S
	1,500	12.5 × 20	0.14	0.017	0.043	2,480	EKZM250E□□152MK20S
	1,800	12.5 × 25	0.14	0.015	0.038	2,900	EKZM250E□□182MK25S
	2,200	12.5 × 30	0.16	0.013	0.033	3,450	EKZM250E□□222MK30S
	2,200	16 × 20	0.16	0.015	0.038	3,250	EKZM250E□□222ML20S
	2,700	12.5 × 35	0.16	0.012	0.031	3,570	EKZM250E□□272MK35S
3,300	16 × 25	0.18	0.013	0.035	3,630	EKZM250E□□332ML25S	
3,900	18 × 25	0.18	0.012	0.031	3,650	EKZM250E□□392MM25S	
35	47	5 × 11	0.12	0.22	0.80	345	EKZM350E□□470ME11D
	100	6.3 × 11	0.12	0.094	0.35	540	EKZM350E□□101MF11D
	220	8 × 11.5	0.12	0.056	0.19	945	EKZM350E□□221MHB5D
	270	8 × 15	0.12	0.045	0.15	1,250	EKZM350E□□271MH15D
	330	10 × 12.5	0.12	0.039	0.14	1,330	EKZM350E□□331MJC5S
	390	8 × 20	0.12	0.029	0.11	1,500	EKZM350E□□391MH20D
	470	10 × 16	0.12	0.028	0.10	1,760	EKZM350E□□471MJ16S
	560	10 × 20	0.12	0.020	0.060	1,960	EKZM350E□□561MJ20S
	680	10 × 25	0.12	0.018	0.054	2,250	EKZM350E□□681MJ25S
	1,000	12.5 × 20	0.12	0.017	0.043	2,480	EKZM350E□□102MK20S
	1,200	12.5 × 25	0.12	0.015	0.038	2,900	EKZM350E□□122MK25S
	1,500	12.5 × 30	0.12	0.013	0.033	3,450	EKZM350E□□152MK30S
	1,500	16 × 20	0.12	0.015	0.038	3,250	EKZM350E□□152ML20S
	1,800	12.5 × 35	0.12	0.012	0.031	3,570	EKZM350E□□182MK35S
2,200	16 × 25	0.14	0.013	0.035	3,630	EKZM350E□□222ML25S	
2,700	18 × 25	0.14	0.012	0.031	3,650	EKZM350E□□272MM25S	
50	27	5 × 11	0.10	0.34	1.18	238	EKZM500E□□270ME11D
	56	6.3 × 11	0.10	0.14	0.50	385	EKZM500E□□560MF11D
	100	8 × 11.5	0.10	0.074	0.22	724	EKZM500E□□101MHB5D
	120	8 × 15	0.10	0.061	0.18	950	EKZM500E□□121MH15D
	150	10 × 12.5	0.10	0.061	0.18	979	EKZM500E□□151MJC5S
	180	8 × 20	0.10	0.046	0.14	1,190	EKZM500E□□181MH20D
	220	10 × 16	0.10	0.042	0.12	1,370	EKZM500E□□221MJ16S
	270	10 × 20	0.10	0.030	0.090	1,580	EKZM500E□□271MJ20S
	330	10 × 25	0.10	0.028	0.085	1,870	EKZM500E□□331MJ25S
	470	12.5 × 20	0.10	0.027	0.068	2,050	EKZM500E□□471MK30S
	560	12.5 × 25	0.10	0.023	0.059	2,410	EKZM500E□□561MK25S
	680	12.5 × 30	0.10	0.021	0.052	2,860	EKZM500E□□681MK30S
	820	12.5 × 35	0.10	0.019	0.051	2,960	EKZM500E□□821MK35S
	820	16 × 20	0.10	0.023	0.059	2,730	EKZM500E□□821ML20S
1,000	16 × 25	0.10	0.021	0.056	3,010	EKZM500E□□102ML25S	
1,500	18 × 25	0.10	0.019	0.051	3,290	EKZM500E□□152MM25S	

□□ : Enter the appropriate lead forming or taping code.

Production of the products shown in is scheduled to be discontinued.



- Always read "Notes on Use" before using the product in order to enable you to use the product correctly and prevent any faults and accidents from occurring.
- Request the Product Specification on the product of NIPPON CHEMI-CON CORPORATION to refer to it as well as this brochure prior to the order of the products. Some specific notes on use of the ordered product may be described in the specifications.
- The products listed in this catalog are designed and manufactured for general electronics equipment use and are not intended for use in applications that can adversely affect human life; where the malfunction of equipment may cause damage to life or property. In addition, our products are not intended to be used in specific applications that may cause a major social impact. Please consult with us in advance of usage of our products in the following listed applications. ① Aerospace equipment ② Power generation equipment such as thermal power, nuclear power etc. ③ Medical equipment ④ Transport equipment (automobiles, trains, ships, etc.) ⑤ Transportation control equipment ⑥ Disaster prevention / crime prevention equipment ⑦ Highly publicized information processing equipment ⑧ Submarine equipment ⑨ Other applications that are not considered general-purpose applications.
- The circuits described as examples in this catalog and the "delivery specifications" are featured in order to show the operations and usage of our products, however, this fact does not guarantee that the circuits are available to function in your equipment systems. We are not in any case responsible for any failures or damage caused by the use of information contained herein. You should examine our products, of which the characteristics are described in the "delivery specifications" and other documents, and determine whether or not our products suit your requirements according to the specifications of your equipment systems. Therefore, you bear final responsibility regarding the use of our products.
Please make sure that you take appropriate safety measures such as use of redundant design and malfunction prevention measures in order to prevent fatal accidents and/or fires in the event any of our products malfunction.
- We strongly recommend our customers to purchase Nippon Chemi-Con products only through our official sales channels. We assume no responsibility for any defects or damages caused by using products purchased from outside our official sales channel or of counterfeit goods. In addition, we will ask the customer to pay the investigation cost for products purchased outside our official sales channel.
- We reserve the right to discontinue production and delivery of products. We do not guarantee that all the products included in this catalog will be available in the future.
The aforementioned does not apply in the case of individual agreements deviating from the foregoing for customer-specific products
- We continually strive to improve the quality and reliability of our products, but in any case that our product does not meet our published specifications, please stop using it promptly and contact us immediately. As for compensation for non-conforming goods delivered by Chemi-Con, we will limit it only to goods found in non-compliance of our published specifications. This may be accomplished by a no cost replacement of non-conforming individual products, a credit of the piece price paid per each individual non-conforming product, or in other ways deemed necessary.
In addition, we have an established system with enhanced traceability, therefore we will limit the applicable lot items for any potential compensation.

[Part Numbering System](#)

[Part Numbering System \(Appendix\)](#)

[Standardization](#)

[Available Items by Manufacturing Locations](#)

[Environmental Measures](#)

[Technical Note](#)

[Precautions and Guidelines](#)

[Recommended Soldering Conditions](#)

[Taping, Lead-preforming and Packaging](#)

[Available Terminals for Snap-in and Screw Mount Type](#)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Chemi-Con:

[EKZM350ELL101MF11D](#) [EKZM100ELL681MHB5D](#) [EKZM160ELL102MH20D](#) [EKZM350ELL152MK30S](#)
[EKZM250ELL331MHB5D](#) [EKZM100ELL222MJ25S](#) [EKZM160ELL152MJ20S](#) [EKZM350ELL102MK20S](#)
[EKZM350ELL681MJ25S](#) [EKZM250ELL222ML20S](#) [EKZM250ELL561MH20D](#) [EKZM100ELL152MJ16S](#)
[EKZM100ELL392MK25S](#) [EKZM100ELL822MM25S](#) [EKZM160ELL221MF11D](#) [EKZM160ELL471MHB5D](#)
[EKZM250ELL102MJ25S](#) [EKZM250ELL182MK25S](#) [EKZM250ELL680ME11D](#) [EKZM250ELL681MJ16S](#)
[EKZM350ELL222ML25S](#) [EKZM350ELL391MH20D](#) [EKZM350ELL470ME11D](#) [EKZM350ELL471MJ16S](#)
[EKZM500ELL101MHB5D](#) [EKZM500ELL102ML25S](#) [EKZM500ELL152MM25S](#) [EKZM500ELL270ME11D](#)
[EKZM500ELL331MJ25S](#) [EKZM6R3ELL182MJ16S](#) [EKZM6R3ELL471MF11D](#) [EKZM100ELL102MH15D](#)
[EKZM100ELL102MJC5S](#) [EKZM100ELL151ME11D](#) [EKZM100ELL152MH20D](#) [EKZM100ELL182MJ20S](#)
[EKZM100ELL331MF11D](#) [EKZM100ELL332MK20S](#) [EKZM100ELL472MK30S](#) [EKZM100ELL472ML20S](#)
[EKZM100ELL562MK35S](#) [EKZM100ELL682ML25S](#) [EKZM160ELL101ME11D](#) [EKZM160ELL102MJ16S](#)
[EKZM160ELL182MJ25S](#) [EKZM160ELL222MK20S](#) [EKZM160ELL272MK25S](#) [EKZM160ELL332MK30S](#)
[EKZM160ELL332ML20S](#) [EKZM160ELL392MK35S](#) [EKZM160ELL472ML25S](#) [EKZM160ELL562MM25S](#)
[EKZM160ELL681MH15D](#) [EKZM160ELL681MJC5S](#) [EKZM250ELL151MF11D](#) [EKZM250ELL152MK20S](#)
[EKZM250ELL222MK30S](#) [EKZM250ELL272MK35S](#) [EKZM250ELL332ML25S](#) [EKZM250ELL391MH15D](#)
[EKZM250ELL392MM25S](#) [EKZM250ELL471MJC5S](#) [EKZM250ELL821MJ20S](#) [EKZM350ELL152ML20S](#)
[EKZM350ELL182MK35S](#) [EKZM350ELL221MHB5D](#) [EKZM350ELL271MH15D](#) [EKZM350ELL331MJC5S](#)
[EKZM350ELL561MJ20S](#) [EKZM500ELL121MH15D](#) [EKZM500ELL151MJC5S](#) [EKZM500ELL181MH20D](#)
[EKZM500ELL221MJ16S](#) [EKZM500ELL271MJ20S](#) [EKZM500ELL471MK20S](#) [EKZM500ELL560MF11D](#)
[EKZM500ELL681MK30S](#) [EKZM500ELL821MK35S](#) [EKZM500ELL821ML20S](#) [EKZM6R3ELL122MH15D](#)
[EKZM6R3ELL122MJC5S](#) [EKZM6R3ELL152MH20D](#) [EKZM6R3ELL221ME11D](#) [EKZM6R3ELL222MJ20S](#)
[EKZM6R3ELL392MK20S](#) [EKZM6R3ELL682MK35S](#) [EKZM6R3ELL821MHB5D](#) [EKZM6R3ELL822ML25S](#)
[EKZM160ETD221MF11D](#) [EKZM350ETD221MHB5D](#) [EKZM250ETD102MJ25S](#) [EKZM160ETD101ME11D](#)
[EKZM100ETD152MH20D](#) [EKZM500ETD101MHB5D](#) [EKZM350ETD471MJ16S](#) [EKZM160ETD471MHB5D](#)
[EKZM350ETD331MJC5S](#) [EKZM100ELL331MF11S](#) [EKZM250ETD331MHB5D](#) [EKZM160ETD222MK20S](#)