LZA

LXZ

Lower Z

Downsized



O Adoption of innovative electrolyte and new technologies

- Very low impedance at high frequency
- ●Endurance with ripple current: 4,000 to 7,000 hours at 105℃
- Solvent resistant type (see PRECAUTIONS AND GUIDELINES)

RoHS2 Compliant

•AEC-Q200 compliant : Please contact Chemi-Con for more details, test data, information.

\$SPECIFICATIONS

Items	Characteristics										
Category Temperature Range	-55 to +105℃										
Rated Voltage Range	6.3 to 35V _{dc}										
Capacitance Tolerance	±20% (M)							(at 20℃, 12	0Hz)		
Leakage Current	I=0.01CV or 3μA, whichever is greater. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 2 minutes)										
Dissipation Factor	Rated voltage (Vdc)	6.3V	10V	16V	25V	35V					
(tan δ)	tanδ (Max.)	0.22	0.19	0.16	0.14	0.12					
	When nominal capacitance	ce exce	eds 1,	000µF,	add 0	.02 to t	he value above for each $1,000\mu$ F i	increase. (at 20°C, 12	0Hz)		
Low Temperature	Rated voltage (Vdc)	6.3V	10V	16V	25V	35V					
Characteristics	Z(-55°C)/Z(+20°C)	4	3	3	3	3					
(Max. Impedance Ratio)								(at 12	0Hz)		
Endurance								subjected to DC voltage with the r	rated		
	ripple current is applied (t	he pea	ik volta	ge sha			the rated voltage) for the specified	period of time at 105°C.			
	Time φ 10 : 4,000hours φ 12.5 : 5,000hours φ 16 to φ 18 : 7,000hours										
	Rated voltage	6.3 to 10V _{dc} (φ10)					6.3 to 10V _{dc} (φ 12.5 to φ 18)	16 to 35Vdc			
	Capacitance change	$\leq \pm 30\%$ of the initial value			l value		$\leq \pm$ 20% of the initial value	$\leq \pm 20\%$ of the initial value			
	D.F.(tan δ)	\leq 300% of the initial specified value			specified	d value	\leq 200% of the initial specified value	\leq 200% of the initial specified value			
	Leakage current	\leq The initial specified value \leq The initial specified value						\leq The initial specified value			
Shelf Life											
							reconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.				
	Rated voltage	6.3 to $10V_{dc}(\phi 10)$		6.3 to $10V_{dc}(\phi 12.5 \text{ to } \phi 18)$	16 to 35V _{dc}						
	Capacitance change	$\leq \pm 30\%$ of the initial value					$\leq \pm 20\%$ of the initial value	$\leq \pm 20\%$ of the initial value			
	D.F.(tan δ)	\leq 300% of the initial specified value			-						
	Leakage current	≦The	initial s	pecifie	d value		≦The initial specified value	≦The initial specified value			

DIMENSIONS [mm]





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φD	10	12.5	16	18				
φd	0.6	0.6	0.8	0.8				
F	5.0	5.0	7.5	7.5				
φD'	φD+0.5max.							
Ľ	L+1.5max.							

◆PART NUMBERING SYSTEM



Please refer to "Product code guide (radial lead type)"



♦STANDARD RATINGS

W (V		Case size φD×L(mm)	Impedance (Ω max./ 20°C, 100kHz)	Rated ripple current (mArms/ 105°C, 100kHz)	Part No.		Cap (µF)	Case size φD×L(mm)	Impedance (Ω max./ 20°C, 100kHz)	Rated ripple current (mArms/ 105°C, 100kHz)	Part No.
	1,50	0 10×12.5	0.063	960	ELZA6R3E 152MJC5S		3,300	12.5×25	0.022	2,350	ELZA160E 332MK25S
	1,80	0 10×16	0.049	1,240	ELZA6R3E 182MJ16S		3,900	16×20	0.026	2,330	ELZA160E 392ML20S
	2,70	0 10×20	0.035	1,550	ELZA6R3E 272MJ20S	16	5,600	16×25	0.019	2,760	ELZA160E 562ML25S
	3,30	0 10×25	0.033	1,740	ELZA6R3E 332MJ25S		5,600	18×20	0.025	2,640	ELZA160E 562MM20S
6.	4,70	0 12.5 × 20	0.029	1,890	ELZA6R3E 472MK20S		8,200	18×25	0.018	2,850	ELZA160E B22MM25S
10.	6,80	0 12.5 × 25	0.022	2,350	ELZA6R3E 682MK25S		470	10 × 12.5	0.063	960	ELZA250E 471MJC5S
	6,80	0 16×20	0.026	2,330	ELZA6R3E 682ML20S		680	10×16	0.049	1,240	ELZA250E C681MJ16S
	8,20	0 18×20	0.025	2,640	ELZA6R3E B22MM20S		1,000	10×20	0.035	1,550	ELZA250E 102MJ20S
	10,00	0 16×25	0.019	2,760	ELZA6R3E 103ML25S		1,200	10×25	0.033	1,740	ELZA250E 122MJ25S
	12,00	0 18×25	0.018	2,850	ELZA6R3E 123MM25S	25	1,500	12.5×20	0.029	1,890	ELZA250E 152MK20S
Г	1,00	0 10×12.5	0.063	960	ELZA100E 102MJC5S		2,200	12.5 × 25	0.022	2,350	ELZA250E 222MK25S
	1,50	0 10×16	0.049	1,240	ELZA100E 152MJ16S		2,700	16×20	0.026	2,330	ELZA250E 272ML20S
	2,20	0 10×20	0.035	1,550	ELZA100E 222MJ20S		3,300	18×20	0.025	2,640	ELZA250E 332MM20S
	2,70	0 10×25	0.033	1,740	ELZA100E 272MJ25S		3,900	16×25	0.019	2,760	ELZA250E 392ML25S
1	3,30	0 12.5 × 20	0.029	1,890	ELZA100E 332MK20S		4,700	18×25	0.018	2,850	ELZA250E 472MM25S
1"	4,70	0 12.5 × 25	0.022	2,350	ELZA100E 472MK25S		330	10 × 12.5	0.063	960	ELZA350E 331MJC5S
	4,70	0 16×20	0.026	2,330	ELZA100E 472ML20S		470	10×16	0.049	1,240	ELZA350E 471MJ16S
	6,80	0 16×25	0.019	2,760	ELZA100E G82ML25S	35	680	10×20	0.035	1,550	ELZA350E C681MJ20S
	6,80	0 18×20	0.025	2,640	ELZA100E 682MM20S		820	10×25	0.033	1,740	ELZA350E B21MJ25S
	8,20	0 18×25	0.018	2,850	ELZA100E B22MM25S		1,000	12.5×20	0.029	1,890	ELZA350E 102MK20S
	82	0 10 × 12.5	0.063	960	ELZA160E B21MJC5S	35	1,500	12.5×25	0.022	2,350	ELZA350E 152MK25S
	1,00	0 10×16	0.049	1,240	ELZA160E 102MJ16S		1,800	16×20	0.026	2,330	ELZA350E 182ML20S
1	6 1,50	0 10×20	0.035	1,550	ELZA160E 152MJ20S		2,200	18×20	0.025	2,640	ELZA350E 222MM20S
	1,80	0 10×25	0.033	1,740	ELZA160E 182MJ25S		2,700	16×25	0.019	2,760	ELZA350E 272ML25S
	2,20	0 12.5 × 20	0.029	1,890	ELZA160E 222MK20S		3,300	18×25	0.018	2,850	ELZA350E 332MM25S

 \Box \Box : Enter the appropriate lead forming or taping code.

♦RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Capacitance(µF) Frequency(Hz)	120	1k	10k	100k
330 to 470	0.50	0.85	0.94	1.00
680 to 1,800	0.60	0.87	0.95	1.00
2,200 to 3,900	0.75	0.90	0.95	1.00
4,700 to 12,000	0.85	0.95	0.98	1.00

The deterioration of aluminum electrolytic capacitors accelerates their life due to the internal heating produced by ripple current. For details, refer to Section "5-3 Ripple Current Effect on Lifetime" in the catalog, Technical Note.

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CHEMI-CON ALUMINUM ELECTROLYTIC CAPACITORS

- 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.

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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