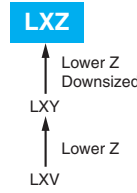


LXZ Series

- Adoption of innovative electrolyte and new technologies
- Very low impedance at high frequency
- Endurance with ripple current: 2,000 to 8,000 hours at 105°C
- Solvent resistant type (see PRECAUTIONS AND GUIDELINES)
- RoHS2 Compliant
- AEC-Q200 compliant : Please contact Chemi-Con for more details, test data, information.

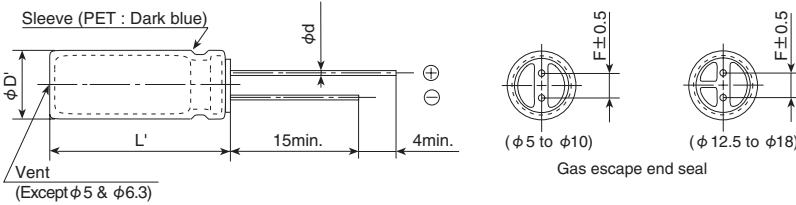


SPECIFICATIONS

Items	Characteristics	
Category	-55 to +105°C	
Temperature Range		
Rated Voltage Range	6.3 to 63V _{dc}	
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)	
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 (tan δ)	Rated voltage (V _{dc})	6.3V 10V 16V 25V 35V 50V 63V
	tan δ (Max.)	0.22 0.19 0.16 0.14 0.12 0.10 0.08
	When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase. (at 20°C, 120Hz)	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for the specified period of time at 105°C.	
	Time	φ 5 & 6.3 : 2,000hours φ 8 : 3,000hours φ 10 : 5,000hours φ 12.5 : 7,000hours φ 16 & 18 : 8,000hours
	Capacitance change	≤ ±20% of the initial value
	D.F. (tan δ)	≤ 200% of the initial specified value
	Leakage current	≤ The initial specified value
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.	
	Capacitance change	≤ ±20% of the initial value
	D.F. (tan δ)	≤ 200% of the initial specified value
	Leakage current	≤ The initial specified value

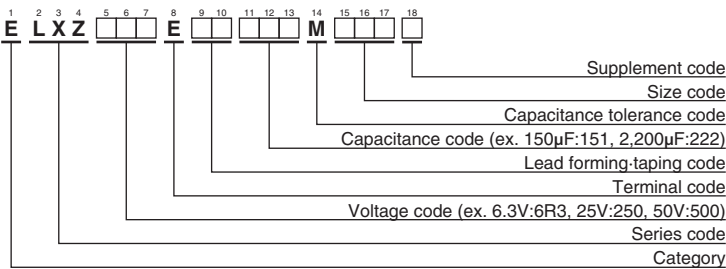
DIMENSIONS [mm]

Terminal Code : E



φD	5	6.3	8	10	12.5	16	18
φd	0.5	0.5	0.6	0.6	0.6	0.8	0.8
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φD'	φD+0.5max.						
L'	L+1.5max.						

PART NUMBERING SYSTEM



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

◆STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	Impedance (Ω max./100kHz)		Rated ripple current (mA _{rms} /105°C, 100kHz)	Part No.	WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	Impedance (Ω max./100kHz)		Rated ripple current (mA _{rms} /105°C, 100kHz)	Part No.
			20°C	-10°C						20°C	-10°C		
35	2,700	18×30	0.018	0.036	3,330	ELXZ350E□□272MM30S	50	2,200	18×35	0.023	0.046	3,100	ELXZ500E□□222MM35S
	3,300	16×40	0.015	0.030	3,710	ELXZ350E□□332ML40S		2,700	18×40	0.020	0.040	3,400	ELXZ500E□□272MM40S
	3,300	18×35	0.016	0.032	3,680	ELXZ350E□□332MM35S		12	5×11.5	1.9	4.0	145	ELXZ630E□□120MEB5D
	3,900	18×40	0.015	0.030	3,800	ELXZ350E□□392MM40S		22	6.3×11.5	1.0	2.0	240	ELXZ630E□□220MFB5D
	4,700	18×40	0.015	0.030	3,800	ELXZ350E□□472MM40S		39	6.3×15	0.61	1.4	330	ELXZ630E□□390MF15D
50	22	5×11.5	0.90	1.8	155	ELXZ500E□□220MEB5D		68	8×12	0.34	0.75	405	ELXZ630E□□680MH12D
	47	6.3×11.5	0.45	0.90	260	ELXZ500E□□470MFB5D		100	8×15	0.27	0.65	535	ELXZ630E□□101MH15D
	68	6.3×15	0.31	0.62	360	ELXZ500E□□680MF15D		100	10×12.5	0.255	0.51	540	ELXZ630E□□101MJC5S
	100	8×12	0.22	0.44	485	ELXZ500E□□101MH12D		120	10×16	0.19	0.38	600	ELXZ630E□□121MJ16S
	120	8×15	0.16	0.32	635	ELXZ500E□□121MH15D		150	8×20	0.21	0.52	690	ELXZ630E□□151MH20D
	120	10×12.5	0.16	0.32	620	ELXZ500E□□121MJC5S		180	10×20	0.145	0.29	890	ELXZ630E□□181MH20S
	180	8×20	0.12	0.24	730	ELXZ500E□□181MH20D		220	10×25	0.13	0.26	1,050	ELXZ630E□□221MJ25S
	180	10×16	0.13	0.26	850	ELXZ500E□□181MJ16S		330	10×30	0.090	0.18	1,300	ELXZ630E□□331MJ30S
	220	10×20	0.088	0.18	1,050	ELXZ500E□□221MJ20S		330	12.5×20	0.085	0.17	1,290	ELXZ630E□□331MK20S
	330	10×25	0.073	0.15	1,250	ELXZ500E□□331MJ25S		390	12.5×25	0.070	0.14	1,720	ELXZ630E□□391MK25S
	390	10×30	0.054	0.11	1,500	ELXZ500E□□391MJ30S		470	12.5×30	0.055	0.11	2,090	ELXZ630E□□471MK30S
	390	12.5×20	0.059	0.12	1,480	ELXZ500E□□391MK20S		470	16×20	0.059	0.12	1,770	ELXZ630E□□471ML20S
	470	12.5×20	0.059	0.12	1,480	ELXZ500E□□471MK20S		680	12.5×35	0.047	0.094	2,270	ELXZ630E□□681MK35S
	560	12.5×25	0.044	0.088	1,840	ELXZ500E□□561MK25S		680	16×25	0.050	0.10	2,160	ELXZ630E□□681ML25S
	680	12.5×30	0.039	0.078	2,220	ELXZ500E□□681MK30S		680	18×20	0.055	0.11	2,290	ELXZ630E□□681MM20S
	680	16×20	0.048	0.096	1,840	ELXZ500E□□681ML20S	820	12.5×40	0.042	0.084	2,560	ELXZ630E□□821MK40S	
	820	12.5×35	0.033	0.066	2,290	ELXZ500E□□821MK35S	820	16×30	0.043	0.086	2,670	ELXZ630E□□821ML30S	
	820	18×20	0.042	0.084	1,980	ELXZ500E□□821MM20S	820	18×25	0.043	0.086	2,590	ELXZ630E□□821MM25S	
	1,000	12.5×40	0.029	0.058	2,500	ELXZ500E□□102MK40S	1,000	16×30	0.043	0.086	2,670	ELXZ630E□□102ML30S	
	1,000	16×25	0.034	0.068	2,240	ELXZ500E□□102ML25S	1,000	16×35	0.036	0.072	2,770	ELXZ630E□□102ML35S	
1,200	16×30	0.028	0.056	2,700	ELXZ500E□□122ML30S	1,200	16×40	0.030	0.060	2,850	ELXZ630E□□122ML40S		
1,200	18×25	0.029	0.058	2,610	ELXZ500E□□122MM25S	1,200	18×30	0.032	0.064	2,950	ELXZ630E□□122MM30S		
1,500	16×35	0.025	0.050	2,800	ELXZ500E□□152ML35S	1,500	18×35	0.030	0.060	3,100	ELXZ630E□□152MM35S		
1,800	16×40	0.021	0.042	3,200	ELXZ500E□□182ML40S	1,800	18×40	0.025	0.050	3,210	ELXZ630E□□182MM40S		
1,800	18×30	0.025	0.050	3,000	ELXZ500E□□182MM30S	2,200	18×40	0.025	0.050	3,210	ELXZ630E□□222MM40S		

□□ : Enter the appropriate lead forming or taping code.
Production of the products shown in □□□□ is scheduled to be discontinued.

◆RATED RIPPLE CURRENT MULTIPLIERS

● Frequency Multipliers

Capacitance(μF)	Frequency(Hz)			
	120	1k	10k	100k
12 to 180	0.40	0.75	0.90	1.00
220 to 560	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 18,000	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.