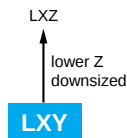


LXY Series

- Newly innovative electrolyte and internal architecture are employed
- Endurance with ripple current : 105°C 2000 to 8000 hours
- Solvent-proof type (see PRECAUTIONS AND GUIDELINES)
- RoHS Compliant

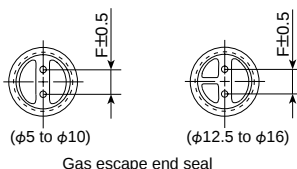
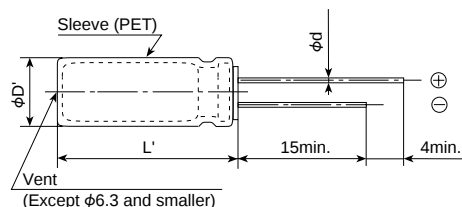


SPECIFICATIONS

Items	Characteristics						
Category	Temperature Range						
Rated Voltage Range	10 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 (tanδ)	Rated voltage (V _{dc})	10V	16V	25V	35V	50V	63V
	tanδ (Max.)	0.19	0.16	0.14	0.12	0.10	0.10
	When nominal capacitance exceeds 1000μF, add 0.02 to the value above for each 1000μF increase. (at 20°C, 120Hz)						
Low Temperature Characteristics (Max. Impedance Ratio)	Z(−55°C)/Z(+20°C)	10V _{dc} to 50V _{dc} : 3max.					(at 120Hz)
		63V _{dc} : 6max.					
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 for the specified period of time at 105°C.						
	Time	φ5 & 6.3 : 2000hours φ8 : 3000hours φ10 : 5000hours φ12.5 : 7000hours φ16 & 18 : 8000hours					
	Capacitance change	≤±20% of the initial value					
	D.F. (tanδ)	≤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 1000 hours at 105°C without voltage applied.						
	Capacitance change	≤±20% of the initial value					
	D.F. (tanδ)	≤200% of the initial specified value					
	Leakage current	≤The initial specified value					

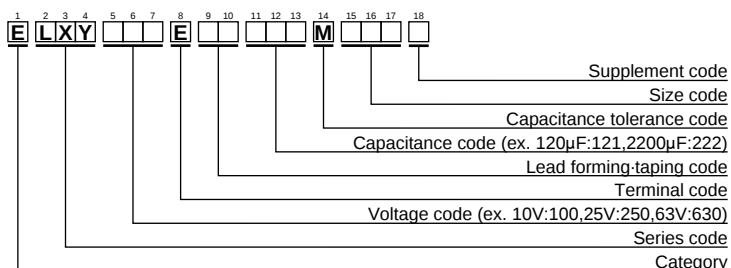
DIMENSIONS [mm]

- Terminal Code : E



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

PART NUMBERING SYSTEM



Please refer to "A guide to global code (radial lead type)"

RATED RIPPLE CURRENT MULTIPLIERS

- Frequency Multipliers

Capacitance (μF)	Frequency (Hz)	120	1k	10k	100k
10 to 180		0.40	0.75	0.90	1.00
220 to 560		0.50	0.85	0.94	1.00
680 to 1800		0.60	0.87	0.95	1.00
2200 to 3900		0.75	0.90	0.95	1.00
4700 to 8200		0.85	0.95	0.98	1.00

◆STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case size φD×L(mm)	Impedance (Ωmax/100kHz)		Rated ripple current (mA rms/ 105°C, 100kHz)	Part No.
			20°C	-10°C		
10	82	5 × 11.5	0.75	1.5	163	ELXY100E□□820MEB5D
	180	6.3 × 11.5	0.35	0.70	273	ELXY100E□□181MFB5D
	220	6.3 × 15	0.25	0.50	390	ELXY100E□□221MF15D
	330	8 × 12	0.17	0.34	445	ELXY100E□□331MH12D
	390	10 × 12.5	0.12	0.24	625	ELXY100E□□391MJC5S
	470	8 × 15	0.13	0.26	555	ELXY100E□□471MH15D
	680	8 × 20	0.095	0.19	740	ELXY100E□□681MH20D
	680	10 × 16	0.084	0.17	825	ELXY100E□□681MJ16S
	1000	10 × 20	0.062	0.13	1040	ELXY100E□□1021MJ20S
	1200	10 × 25	0.052	0.11	1260	ELXY100E□□1221MJ25S
	1500	10 × 30	0.044	0.088	1440	ELXY100E□□1521MJ30S
	1800	12.5 × 20	0.046	0.092	1340	ELXY100E□□1821MK20S
	2200	12.5 × 25	0.034	0.068	1690	ELXY100E□□2221MK25S
	2700	12.5 × 30	0.030	0.060	1950	ELXY100E□□2721MK30S
	3300	12.5 × 35	0.024	0.048	2220	ELXY100E□□3321MK35S
	3300	16 × 20	0.038	0.076	1630	ELXY100E□□3321ML20S
	3900	12.5 × 40	0.022	0.044	2390	ELXY100E□□3921MK40S
	3900	16 × 25	0.028	0.056	2070	ELXY100E□□3921ML25S
	5600	16 × 30	0.025	0.050	2350	ELXY100E□□5621ML30S
	6800	16 × 35	0.022	0.044	2550	ELXY100E□□6821ML35S
	8200	16 × 40	0.018	0.036	2900	ELXY100E□□8221ML40S
16	56	5 × 11.5	0.75	1.5	163	ELXY160E□□560MEB5D
	120	6.3 × 11.5	0.35	0.70	273	ELXY160E□□121MFB5D
	180	6.3 × 15	0.25	0.50	390	ELXY160E□□181MF15D
	270	8 × 12	0.17	0.34	445	ELXY160E□□271MH12D
	270	10 × 12.5	0.12	0.24	625	ELXY160E□□271MJC5S
	330	8 × 15	0.13	0.26	555	ELXY160E□□331MH15D
	470	8 × 20	0.095	0.19	740	ELXY160E□□471MH20D
	470	10 × 16	0.084	0.17	825	ELXY160E□□471MJ16S
	680	10 × 20	0.062	0.13	1040	ELXY160E□□681MJ20S
	820	10 × 25	0.052	0.11	1260	ELXY160E□□821MJ25S
	1200	10 × 30	0.044	0.088	1440	ELXY160E□□1221MJ30S
	1200	12.5 × 20	0.046	0.092	1340	ELXY160E□□1221MK20S
	1500	12.5 × 25	0.034	0.068	1690	ELXY160E□□1521MK25S
	2200	12.5 × 30	0.030	0.060	1950	ELXY160E□□2221MK30S
	2200	16 × 20	0.038	0.076	1630	ELXY160E□□2221ML20S
	2700	12.5 × 35	0.024	0.048	2220	ELXY160E□□2721MK35S
	2700	16 × 25	0.028	0.056	2070	ELXY160E□□2721ML25S
	3300	12.5 × 40	0.022	0.044	2390	ELXY160E□□3321MK40S
	3900	16 × 30	0.025	0.050	2350	ELXY160E□□3921ML30S
	4700	16 × 35	0.022	0.044	2550	ELXY160E□□4721ML35S
	5600	16 × 40	0.018	0.036	2900	ELXY160E□□5621ML40S
25	39	5 × 11.5	0.75	1.5	163	ELXY250E□□390MEB5D
	82	6.3 × 11.5	0.35	0.70	273	ELXY250E□□820MFB5D
	120	6.3 × 15	0.25	0.50	390	ELXY250E□□121MF15D
	150	8 × 12	0.17	0.34	445	ELXY250E□□151MH12D
	180	10 × 12.5	0.12	0.24	625	ELXY250E□□181MJC5S
	220	8 × 15	0.13	0.26	555	ELXY250E□□221MH15D
	330	8 × 20	0.095	0.19	740	ELXY250E□□331MH20D
	330	10 × 16	0.084	0.17	825	ELXY250E□□331MJ16S
	470	10 × 20	0.062	0.13	1040	ELXY250E□□471MJ20S
	560	10 × 25	0.052	0.11	1260	ELXY250E□□561MJ25S
	820	10 × 30	0.044	0.088	1440	ELXY250E□□821MJ30S
	820	12.5 × 20	0.046	0.092	1340	ELXY250E□□821MK20S
	1000	12.5 × 25	0.034	0.068	1690	ELXY250E□□1021MK25S
	1500	12.5 × 30	0.030	0.060	1950	ELXY250E□□1521MK30S
	1500	16 × 20	0.038	0.076	1630	ELXY250E□□1521ML20S
	1800	12.5 × 35	0.024	0.048	2220	ELXY250E□□1821MK35S
	1800	16 × 25	0.028	0.056	2070	ELXY250E□□1821ML25S
	2200	12.5 × 40	0.022	0.044	2390	ELXY250E□□2221MK40S
	2700	16 × 30	0.025	0.050	2350	ELXY250E□□2721ML30S
	3300	16 × 35	0.022	0.044	2550	ELXY250E□□3321ML35S
	3900	16 × 40	0.018	0.036	2900	ELXY250E□□3921ML40S
35	27	5 × 11.5	0.75	1.5	163	ELXY350E□□270MEB5D
	56	6.3 × 11.5	0.35	0.70	273	ELXY350E□□560MFB5D
	82	6.3 × 15	0.25	0.50	390	ELXY350E□□820MF15D
	120	8 × 12	0.17	0.34	445	ELXY350E□□121MH12D
	120	10 × 12.5	0.12	0.24	625	ELXY350E□□121MJC5S
	180	8 × 15	0.13	0.26	555	ELXY350E□□181MH15D
	220	8 × 20	0.095	0.19	740	ELXY350E□□221MH20D
	220	10 × 16	0.084	0.17	825	ELXY350E□□221MJ16S
	330	10 × 20	0.062	0.13	1040	ELXY350E□□331MJ20S
	390	10 × 25	0.052	0.11	1260	ELXY350E□□391MJ25S
	560	10 × 30	0.044	0.088	1440	ELXY350E□□561MJ30S
	560	12.5 × 20	0.046	0.092	1340	ELXY350E□□561MK20S
	680	12.5 × 25	0.034	0.068	1690	ELXY350E□□681MK25S
	1000	12.5 × 30	0.030	0.060	1950	ELXY350E□□1021MK30S
	1000	16 × 20	0.038	0.076	1630	ELXY350E□□1021ML20S
	1200	12.5 × 35	0.024	0.048	2220	ELXY350E□□1221MK35S
	1200	16 × 25	0.028	0.056	2070	ELXY350E□□1221ML25S
	1500	12.5 × 40	0.022	0.044	2390	ELXY350E□□1521MK40S
	1800	16 × 30	0.025	0.050	2350	ELXY350E□□1821ML30S
	2200	16 × 35	0.022	0.044	2550	ELXY350E□□2221ML35S
	2700	16 × 40	0.018	0.036	2900	ELXY350E□□2721ML40S
50	18	5 × 11.5	1.2	2.4	129	ELXY500E□□180MEB5D
	39	6.3 × 11.5	0.54	1.1	219	ELXY500E□□390MFB5D
	56	6.3 × 15	0.34	0.68	310	ELXY500E□□560MF15D
	68	8 × 12	0.30	0.60	340	ELXY500E□□680MH12D
	82	8 × 15	0.20	0.40	470	ELXY500E□□820MH15D
	82	10 × 12.5	0.20	0.40	480	ELXY500E□□820MJC5S
	120	8 × 20	0.14	0.28	610	ELXY500E□□121MH20D
	120	10 × 16	0.13	0.26	755	ELXY500E□□121MJ16S
	180	10 × 20	0.088	0.18	945	ELXY500E□□181MJ20S
	220	10 × 25	0.073	0.15	1150	ELXY500E□□221MJ25S
	330	10 × 30	0.054	0.11	1260	ELXY500E□□331MJ30S
	330	12.5 × 20	0.059	0.12	1190	ELXY500E□□331MK20S
	470	12.5 × 25	0.044	0.088	1490	ELXY500E□□471MK25S
	560	12.5 × 30	0.039	0.078	1720	ELXY500E□□561MK30S
	680	12.5 × 35	0.033	0.066	1890	ELXY500E□□681MK35S
	680	16 × 20	0.050	0.10	1420	ELXY500E□□681ML20S
	820	12.5 × 40	0.029	0.058	2030	ELXY500E□□821MK40S
	820	16 × 25	0.034	0.068	1880	ELXY500E□□821ML25S
	1000	16 × 30	0.030	0.060	2150	ELXY500E□□1021ML30S
	1200	16 × 35	0.027	0.054	2320	ELXY500E□□1221ML35S
	1500	16 × 40	0.024	0.048	2540	ELXY500E□□1521ML40S
63	10	5 × 11.5	1.9	4.8	103	ELXY630E□□100MEB5D
	18	6.3 × 11.5	1.0	2.5	161	ELXY630E□□180MFB5D
	33	6.3 × 15	0.61	1.6	233	ELXY630E□□330MF15D
	47	8 × 12	0.47	1.2	274	ELXY630E□□470MH12D
	56	10 × 12.5	0.27	0.68	418	ELXY630E□□560MJC5S
	68	8 × 15	0.34	0.85	360	ELXY630E□□680MH15D
	68	10 × 16	0.21	0.53	525	ELXY630E□□680MJ16S
	82	8 × 20	0.21	0.53	500	ELXY630E□□820MH20D
	120	10 × 20	0.16	0.40	650	ELXY630E□□121MJ20S
	150	10 × 25	0.13	0.33	783	ELXY630E□□151MJ25S
	180	10 × 30	0.10	0.25	960	ELXY630E□□181MJ30S
	220	12.5 × 20	0.11	0.28	870	ELXY630E□□221MK20S
	270	12.5 × 25	0.074	0.19	1150	ELXY630E□□271MK25S
	330	16 × 20	0.085	0.22	1100	ELXY630E□□331ML20S
	390	12.5 × 30	0.068	0.17	1280	ELXY630E□□391MK30S
	470	12.5 × 35	0.063	0.16	1390	ELXY630E□□471MK35S
	470	16 × 25	0.055	0.14	1480	ELXY630E□□471ML25S
	560	12.5 × 40	0.051	0.13	1530	ELXY630E□□561MK40S
	680	16 × 30	0.046	0.12	1720	ELXY630E□□681ML30S
	820	16 × 35	0.040	0.10	1910	ELXY630E□□821ML35S
	1000	16 × 40	0.036	0.09	2070	ELXY630E□□1021ML40S

□□ : Lead forming / Taping code