



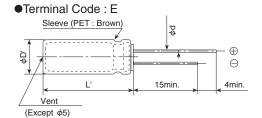
- Suitable for long life products
- Downsize and long life
- Endurance with ripple current: 10,000 hours at 105°C
- **©** Case size range : ϕ 5×11L to ϕ 8×11.5L
- Solvent resistant type (see PRECAUTIONS AND GUIDELINES)
- RoHS2 Compliant



SPECIFICATION

Items	Characteristics								
Category Temperature Range	-40 to +105℃								
Rated Voltage Range	10 to 100V _{sc}								
Capacitance Tolerance	±20% (M) (at 20℃, 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	Rated voltage (Vdc)	10V	16V	25V	35V	50V	63V	100V	
(tan δ)	tan δ (Max.)	0.45	0.35	0.30	0.22	0.19	0.17	0.15	(at 20℃,120Hz)
Low Temperature Characteristics	Rated voltage (Vdc)	10V	16V	25V	35V	50V	63V	100V	
	Z(-25°C)/Z(20°C)	8	6	4	4	3	3	3	
(Max. Impedance Ratio)									(at 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 10,000 hours at 105°C.								
	Capacitance change	nce change ≤±25% of the initial value							
	D.F. (tan δ)	≦300% of the initial specified value					alue		
	Leakage current	e 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	nange ≤±25% of the initial value							
	D.F. (tan δ)	≦300% of the initial specified value					alue		
	Leakage current	≦The initial specified value					, and the second		

◆DIMENSIONS [mm]

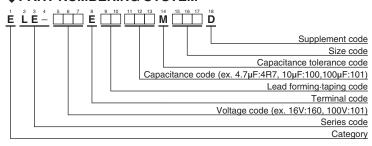




Gas escape end seal

φD	5	6.3	8		
φd	0.5	0.5	0.6		
F	2.0	2.5	3.5		
φD'	φD+0.5max.				
Γ.	L+1.5max.				

◆PART NUMBERING SYSTEM



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





STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Case size φ D×L(mm)	tan δ	Rated ripple current (mArms/105℃, 100kHz)	Part No.	
	100	5×11	0.45	130	ELE-100E□□101ME11D	
10	220	6.3 × 11	0.45	210	ELE-100E□□221MF11D	
	330	8 × 11.5	0.45	330	ELE-100E□□331MHB5D	
16	47	5×11	0.35	130	ELE-160E□□470ME11D	
	100	6.3×11	0.35	210	ELE-160E□□101MF11D	
	220	8×11.5	0.35	330	ELE-160E□□221MHB5D	
	33	5×11	0.30	130	ELE-250E□□330ME11D	
25	47	5×11	0.30	130	ELE-250E□□470ME11D	
	100	6.3 × 11	0.30	210	ELE-250E□□101MF11D	
	33	5×11	0.22	130	ELE-350E□□330ME11D	
35	47	6.3 × 11	0.22	210	ELE-350E□□470MF11D	
	100	8 × 11.5	0.22	330	ELE-350E□□101MHB5D	
	1.0	5×11	0.19	25	ELE-500E□□1R0ME11D	
	2.2	5×11	0.19	35	ELE-500E□□2R2ME11D	
	3.3	5×11	0.19	70	ELE-500E□□3R3ME11D	
	4.7	5×11	0.19	80	ELE-500E□□4R7ME11D	
50	10	5×11	0.19	90	ELE-500E□□100ME11D	
	22	5×11	0.19	110	ELE-500E□□220ME11D	
	33	6.3 × 11	0.19	190	ELE-500E □ □ 330MF11D	
	47	6.3 × 11	0.19	190	ELE-500E□□470MF11D	
	100	8×11.5	0.19	270	ELE-500E□□101MHB5D	
	10	5×11	0.17	80	ELE-630E□□100ME11D	
63	22	6.3 × 11	0.17	170	ELE-630E □ □ 220MF11D	
03	33	6.3 × 11	0.17	170	ELE-630E□□330MF11D	
	47	8×11.5	0.17	240	ELE-630E□□470MHB5D	
	1.0	5×11	0.15	40	ELE-101E□□1R0ME11D	
	2.2	5×11	0.15	50	ELE-101E□□2R2ME11D	
100	3.3	5×11	0.15	60	ELE-101E□□3R3ME11D	
100	4.7	5×11	0.15	70	ELE-101E□□4R7ME11D	
	10	6.3 × 11	0.15	150	ELE-101E□□100MF11D	
	22	8×11.5	0.15	230	ELE-101E□□220MHB5D	

 $\square\,\square$: 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
1.0 to 10	0.42	0.60	0.80	1.00
22 to 33	0.55	0.75	0.90	1.00
47 to 330	0.70	0.85	0.95	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.



- 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.
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 - 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:

ELE-350ELL470MF11D ELE-500ELL101MHB5D ELE-100ELL101ME11D ELE-100ELL221MF11D ELE100ELL331MHB5D ELE-101ELL100MF11D ELE-101ELL1R0ME11D ELE-101ELL220MHB5D ELE101ELL2R2ME11D ELE-101ELL3R3ME11D ELE-101ELL4R7ME11D ELE-160ELL101MF11D ELE160ELL221MHB5D ELE-160ELL470ME11D ELE-250ELL101MF11D ELE-250ELL330ME11D ELE-250ELL470ME11D ELE-350ELL101MHB5D ELE-350ELL330ME11D ELE-500ELL100ME11D ELE-500ELL1R0ME11D ELE500ELL220ME11D ELE-500ELL2R2ME11D ELE-500ELL330MF11D ELE-500ELL3R3ME11D ELE500ELL470MF11D ELE-500ELL4R7ME11D ELE-630ELL100ME11D ELE-630ELL220MF11D ELE-630ELL330MF11D ELE-630E