



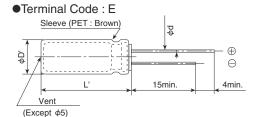
- Suitable for long life products
- Downsize and long life
- Endurance with ripple current: 10,000 hours at 105°C
- **©** Case size range : ϕ 5×11L to ϕ 8×11.5L
- Solvent resistant type (see PRECAUTIONS AND GUIDELINES)
- RoHS2 Compliant



SPECIFICATION

Items	Characteristics									
Category Temperature Range	-40 to +105℃									
Rated Voltage Range	10 to 100V _{sc}									
Capacitance Tolerance	±20% (M) (at 20°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 (Vdc)	10V	16V	25V	35V	50V	63V	100V		
	tan δ (Max.)	0.45	0.35	0.30	0.22	0.19	0.17	0.15	(at 20°C,120Hz)	
Low Temperature	Rated voltage (Vdc)	10V	16V	25V	35V	50V	63V	100V		
Characteristics	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	ange ≤±25% of the initial value]		
	D.F. (tan δ)	≦300% of the initial specified value					alue]		
	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	pacitance change $\leq \pm 25\%$ of the initial value								
	D.F. (tan δ)	≦300% of the initial specified value					alue			
	Leakage current	≦The initial specified value				ue				

♦DIMENSIONS [mm]





 φD
 5
 6.3
 8

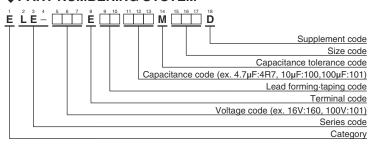
 φd
 0.5
 0.5
 0.6

 F
 2.0
 2.5
 3.5

 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 φ D×L(mm)	tan δ	Rated ripple current (mArms/105℃, 100kHz)	Part No.	
10	100	5×11	0.45	130	ELE-100E□□101ME11D	
	220	6.3 × 11	0.45	210	ELE-100E□□221MF11D	
	330	8 × 11.5	0.45	330	ELE-100E□□331MHB5D	
	47	5×11	0.35	130	ELE-160E□□470ME11D	
16	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	
	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	
100	2.2	5×11	0.15	50	ELE-101E□□2R2ME11D	
	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.

PRATED 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.
- 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.
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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