



- OPlease consult with us when you need "Bi-polar" type
- Non solvent resistant type
- RoHS2 Compliant

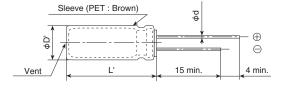


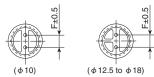
## **SPECIFICATIONS**

Items	Characteristics									
Category Temperature Range	-40 to +85℃									
Rated Voltage Range	16 to 100V <sub>dc</sub>									
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	Rated voltage (Vdc)	16V	25V	50V	80V	100V				
(tan δ)	tan δ (Max.)	0.16	0.14	0.10	0.08	0.07	(at 20°C, 120Hz)			
Low Temperature	Rated voltage (Vdc)	16V	25V	50V	80V	100V				
Characteristics	Z(-25°C) ∕ Z(+20°C)	2	2	2	2	2				
(Max. Impedance Ratio)	Z(-40°C) ∕ Z(+20°C)	6	4	3	3	3	(at 120Hz)			
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 1,000									
	hours at 85℃.									
	Capacitance change	≤±20% of the initial value				ie				
	D.F. (tan $\delta$ )	≤150% of the initial specified value					lue			
	Leakage current	≦Th	e initia	specif	ied val	ue				
Shelf Life		ons shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 85°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				tial valu					
	D.F. $(\tan \delta)$ $\leq 150\%$ of the initial specified value						lue			
	Leakage current	≦Th	e initia	specif	ied val	ue				

# **◆DIMENSIONS[mm]**

## ●Terminal Code: E

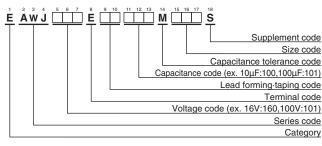




Gas escape end seal

10	12.5	16	18		
0.8	0.8	0.8	0.8		
5.	.0	7.5			
φD+0.5 max.					
L+1.5	max.	L+2.0 max.			
	0.8	0.8 0.8 5.0 $\phi$ D+0	0.8         0.8         0.8           5.0         7.		

## **◆PART NUMBERING SYSTEM**



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





#### **STANDARD RATINGS**

WV (Vdc)	Cap (µF)	Case size φD×L(mm)	tan δ	Part No.	WV (V <sub>dc</sub> )	Cap (μF)	Case size φ D×L(mm)	tan δ	Part No.
	220	10×20	0.16	EAWJ160E□□221MJ20S		22	10×16	0.08	EAWJ800E□□220MJ16S
40	330	12.5 × 20	0.16	EAWJ160E□ □331MK20S		33	10 × 20	0.08	EAWJ800E□□330MJ20S
16	470	12.5 × 25	0.16	EAWJ160E□□471MK25S	80	47	10×20	0.08	EAWJ800E□□470MJ20S
	1,000	16×31.5	0.16	EAWJ160E□□102MLN3S		100	12.5 × 25	0.08	EAWJ800E□□101MK25S
	100	10×16	0.14	EAWJ250E□□101MJ16S		220	16 × 31.5	0.08	EAWJ800E□□221MLN3S
	220	12.5 × 20	0.14	EAWJ250E □ □ 221MK20S		330	16 × 35.5	0.08	EAWJ800E□□331MLP1S
25	330	12.5 × 25	0.14	EAWJ250E□ □331MK25S		470	18 × 40	0.08	EAWJ800E□□471MM40S
	470	16×25	0.14	EAWJ250E□ □ 471ML25S		10	10×16	0.07	EAWJ101E□□100MJ16S
	1,000	16 × 35.5	0.14	EAWJ250E□□102MLP1S		22	10 × 20	0.07	EAWJ101E□□220MJ20S
	22	10×16	0.10	EAWJ500E□ □220MJ16S		33	12.5 × 20	0.07	EAWJ101E□□330MK20S
	33	10×16	0.10	EAWJ500E□□330MJ16S	100	47	12.5 × 25	0.07	EAWJ101E□□470MK25S
	47	10×16	0.10	EAWJ500E□□470MJ16S		100	16 × 25	0.07	EAWJ101E□□101ML25S
50	100	12.5 × 20	0.10	EAWJ500E□□101MK20S		220	18 × 35.5	0.07	EAWJ101E□□221MMP1S
50	220	16×25	0.10	EAWJ500E□□221ML25S		330	18 × 45	0.07	EAWJ101E□□331MM45S
	330	16 × 31.5	0.10	EAWJ500E□□331MLN3S					
	470	16 × 35.5	0.10	EAWJ500E□□471MLP1S					
	1,000	18×45	0.10	EAWJ500E□□102MM45S					

 $<sup>\</sup>hfill\square$  : Enter the appropriate lead forming or taping code.



- 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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  The aforementioned does not apply in the case of individual agreements deviating from the foregoing for customer-specific products
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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