CHEMI-CON Aluminum Electrolytic Capacitors for Audio

High grade, 85℃

AWJ Series

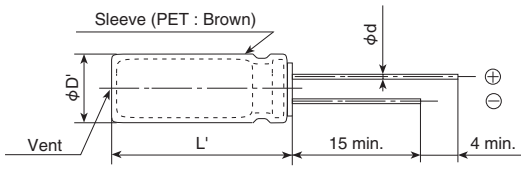
- Please consult with us when you need "Bi-polar" type
- Non solvent resistant type
- RoHS2 Compliant

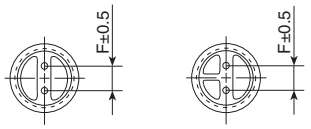
◆SPECIFICATIONS

Items	Characteristics					
Category Temperature Range	-40 to +85℃					
Rated Voltage Range	16 to 80V_{dc}					
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℃ after 2 minutes)
Dissipation Factor (tan δ)	Rated voltage (V_{dc})	16V	25V	50V	80V	
	tan δ (Max.)	0.16	0.14	0.10	0.08	(at 20℃, 120Hz)
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V_{dc})	16V	25V	50V	80V	
	Z(-25℃)／Z(+20℃)	2	2	2	2	
	Z(-40℃)／Z(+20℃)	6	4	3	3	(at 120Hz)
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage is applied for 1,000 hours at 85℃.					
	Capacitance change	≦±20% of the initial value				
	D.F. (tan δ)	≦150% 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℃ after exposing them for 500 hours at 85℃ 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)	≦150% of the initial specified value				
	Leakage current	≦The initial specified value				

◆DIMENSIONS[mm]

●Terminal Code：E

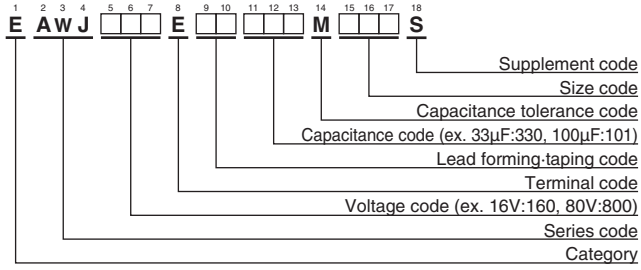




Gas escape end seal

φD	10	12.5	16	18
φd	0.8	0.8	0.8	0.8
F	5.0		7.5	
φD'	φD+0.5 max.			
L'	L+1.5 max.		L+2.0 max.	

◆PART NUMBERING SYSTEM



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

◆STANDARD RATINGS

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Part No.
16	220	10×20	0.16	EAWJ160E□□221MJ20S
	330	12.5×20	0.16	EAWJ160E□□331MK20S
	470	12.5×25	0.16	EAWJ160E□□471MK25S
	1,000	16×31.5	0.16	EAWJ160E□□102MLN3S
25	100	10×16	0.14	EAWJ250E□□101MJ16S
	220	12.5×20	0.14	EAWJ250E□□221MK20S
	330	12.5×25	0.14	EAWJ250E□□331MK25S
	470	16×25	0.14	EAWJ250E□□471ML25S
	1,000	16×35.5	0.14	EAWJ250E□□102MLP1S

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Part No.
50	33	10×16	0.10	EAWJ500E□□330MJ16S
	47	10×16	0.10	EAWJ500E□□470MJ16S
	100	12.5×20	0.10	EAWJ500E□□101MK20S
	220	16×25	0.10	EAWJ500E□□221ML25S
	330	16×31.5	0.10	EAWJ500E□□331MLN3S
	470	16×35.5	0.10	EAWJ500E□□471MLP1S
	1,000	18×45	0.10	EAWJ500E□□102MM45S
80	47	10×20	0.08	EAWJ800E□□470MJ20S
	100	12.5×25	0.08	EAWJ800E□□101MK25S
	330	16×35.5	0.08	EAWJ800E□□331MLP1S
	470	18×40	0.08	EAWJ800E□□471MM40S

□□ : 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.

■ The products listed in this catalog are designed and manufactured for general electronics equipment use and are not intended for use in applications that can adversely affect human life; where the malfunction of equipment may cause damage to life or property. In addition, our products are not intended to be used in specific applications that may cause a major social impact. Please consult with us in advance of usage of our products in the following listed applications. ① Aerospace equipment ② Power generation equipment such as thermal power, nuclear power etc. ③ Medical equipment ④ Transport equipment (automobiles, trains, ships, etc.) ⑤ Transportation control equipment ⑥ Disaster prevention / crime prevention equipment ⑦ Highly publicized information processing equipment ⑧ Submarine equipment ⑨ Other applications that are not considered general-purpose applications.

■ The circuits described as examples in this catalog and the "delivery specifications" are featured in order to show the operations and usage of our products, however, this fact does not guarantee that the circuits are available to function in your equipment systems. We are not in any case responsible for any failures or damage caused by the use of information contained herein. You should examine our products, of which the characteristics are described in the "delivery specifications" and other documents, and determine whether or not our products suit your requirements according to the specifications of your equipment systems. Therefore, you bear final responsibility regarding the use of our products.
Please make sure that you take appropriate safety measures such as use of redundant design and malfunction prevention measures in order to prevent fatal accidents and/or fires in the event any of our products malfunction.

■ We strongly recommend our customers to purchase Nippon Chemi-Con products only through our official sales channels. We assume no responsibility for any defects or damages caused by using products purchased from outside our official sales channel or of counterfeit goods. In addition, we will ask the customer to pay the investigation cost for products purchased outside our official sales channel.

■ We reserve the right to discontinue production and delivery of products. We do not guarantee that all the products included in this catalog will be available in the future.
The aforementioned does not apply in the case of individual agreements deviating from the foregoing for customer-specific products

■ We continually strive to improve the quality and reliability of our products, but in any case that our product does not meet our published specifications, please stop using it promptly and contact us immediately. As for compensation for non-conforming goods delivered by Chemi-Con, we will limit it only to goods found in non-compliance of our published specifications. This may be accomplished by a no cost replacement of non-conforming individual products, a credit of the piece price paid per each individual non-conforming product, or in other ways deemed necessary.
In addition, we have an established system with enhanced traceability, therefore we will limit the applicable lot items for any potential compensation.

CAT. No. E1001Z 2025