NIPPON CHEMI-CON

Aluminum Electrolytic Capacitors for Audio

High grade, 85℃

AWJ Series

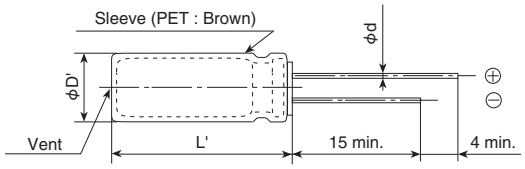
- Please consult with us when you need "Bi-polar" type
- Non solvent resistant type
- RoHS2 Compliant

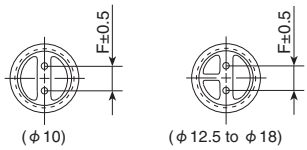
◆SPECIFICATIONS

Items	Characteristics						
Category Temperature Range	-40 to +85℃						
Rated Voltage Range	16 to 100V_{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	100V	
	tan δ (Max.)	0.16	0.14	0.10	0.08	0.07	(at 20℃, 120Hz)
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V_{dc})	16V	25V	50V	80V	100V	
	Z(-25℃)／Z(+20℃)	2	2	2	2	2	
	Z(-40℃)／Z(+20℃)	6	4	3	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

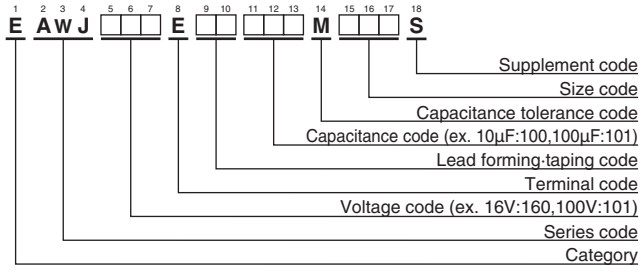




Gas escape end seal

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)"

AWJ Series

◆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
50	22	10×16	0.10	EAWJ500E□□220MJ16S
	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

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Part No.
80	22	10×16	0.08	EAWJ800E□□220MJ16S
	33	10×20	0.08	EAWJ800E□□330MJ20S
	47	10×20	0.08	EAWJ800E□□470MJ20S
	100	12.5×25	0.08	EAWJ800E□□101MK25S
	220	16×31.5	0.08	EAWJ800E□□221MLN3S
	330	16×35.5	0.08	EAWJ800E□□331MLP1S
	470	18×40	0.08	EAWJ800E□□471MM40S
100	10	10×16	0.07	EAWJ101E□□100MJ16S
	22	10×20	0.07	EAWJ101E□□220MJ20S
	33	12.5×20	0.07	EAWJ101E□□330MK20S
	47	12.5×25	0.07	EAWJ101E□□470MK25S
	100	16×25	0.07	EAWJ101E□□101ML25S
	220	18×35.5	0.07	EAWJ101E□□221MMP1S
	330	18×45	0.07	EAWJ101E□□331MM45S

□□ : Enter the appropriate lead forming or taping code.