

AVH Series

- The oxide free copper lead wire and electrolyte on audio purpose are employed
- Non solvent resistant type
- RoHS2 Compliant

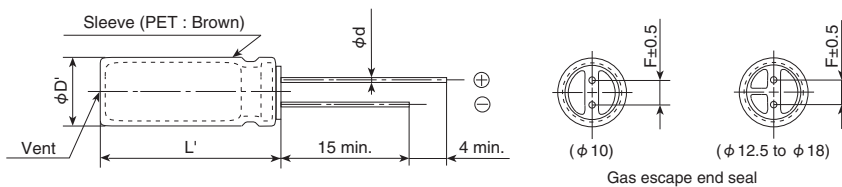


SPECIFICATIONS

Items	Characteristics										
Category	-40 to +85℃										
Temperature Range											
Rated Voltage Range	6.3 to 100V _{dc}										
Capacitance Tolerance	±20%(M) (at 20℃, 120Hz)										
Leakage Current	I=0.03CV or 4μA, whichever is greater. (at 20℃ after 1 minute) I=0.01CV or 3μA, whichever is greater. (at 20℃ after 2 minutes) Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)										
Dissipation Factor (tan δ)	Rated voltage (V _{dc})	6.3V	10V	16V	25V	35V	50V	63V	80V	100V	
	tan δ (Max.)	0.24	0.20	0.16	0.14	0.12	0.10	0.09	0.08	0.07	
	When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase. (at 20℃, 120Hz)										
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})	6.3V	10V	16V	25V	35V	50V	63V	80V	100V	
	Z(-25℃)／Z(+20℃)	4	3	2	2	2	2	2	2	2	
	Z(-40℃)／Z(+20℃)	10	8	6	4	3	3	3	3	3	
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									

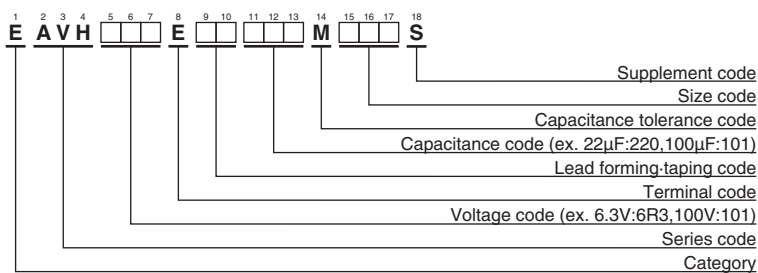
DIMENSIONS[mm]

- Terminal Code : E



φD	10	12.5	16	18
φd	0.8	0.8	0.8	0.8
F	5.0	5.0	7.5	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)"

AVH Series

◆ STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Part No.	WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Part No.
6.3	470	10 × 12.5	0.24	EAVH6R3E□□471MJC5S	35	100	10 × 12.5	0.12	EAVH350E□□101MJC5S
	1,000	10 × 20	0.24	EAVH6R3E□□102MJ20S		220	10 × 20	0.12	EAVH350E□□221MJ20S
	2,200	12.5 × 25	0.26	EAVH6R3E□□222MK25S		470	12.5 × 25	0.12	EAVH350E□□471MK25S
	3,300	16 × 25	0.28	EAVH6R3E□□332ML25S		1,000	16 × 25	0.12	EAVH350E□□102ML25S
	4,700	16 × 31.5	0.30	EAVH6R3E□□472MLN3S		2,200	18 × 35.5	0.14	EAVH350E□□222MMP1S
	6,800	16 × 35.5	0.34	EAVH6R3E□□682MLP1S	50	100	10 × 16	0.10	EAVH500E□□101MJ16S
	10,000	18 × 40	0.42	EAVH6R3E□□103MM40S		220	12.5 × 20	0.10	EAVH500E□□221MK20S
10	330	10 × 12.5	0.20	EAVH100E□□331MJC5S		330	12.5 × 20	0.10	EAVH500E□□331MK20S
	470	10 × 16	0.20	EAVH100E□□471MJ16S		470	16 × 25	0.10	EAVH500E□□471ML25S
	1,000	12.5 × 20	0.20	EAVH100E□□102MK20S	63	1,000	16 × 31.5	0.10	EAVH500E□□102MLN3S
	2,200	16 × 25	0.22	EAVH100E□□222ML25S		47	10 × 12.5	0.09	EAVH630E□□470MJC5S
	3,300	16 × 31.5	0.24	EAVH100E□□332MLN3S		100	10 × 20	0.09	EAVH630E□□101MJ20S
	4,700	16 × 35.5	0.26	EAVH100E□□472MLP1S		220	12.5 × 20	0.09	EAVH630E□□221MK20S
16	6,800	18 × 40	0.30	EAVH100E□□682MM40S		330	12.5 × 25	0.09	EAVH630E□□331MK25S
	220	10 × 12.5	0.16	EAVH160E□□221MJC5S	80	470	16 × 25	0.09	EAVH630E□□471ML25S
	330	10 × 16	0.16	EAVH160E□□331MJ16S		1,000	18 × 35.5	0.09	EAVH630E□□102MMP1S
	470	10 × 20	0.16	EAVH160E□□471MJ20S	100	47	10 × 16	0.08	EAVH800E□□470MJ16S
	1,000	12.5 × 25	0.16	EAVH160E□□102MK25S		220	12.5 × 25	0.08	EAVH800E□□221MK25S
	2,200	16 × 25	0.18	EAVH160E□□222ML25S		330	16 × 31.5	0.08	EAVH800E□□331MLN3S
	3,300	16 × 35.5	0.20	EAVH160E□□332MLP1S		470	16 × 35.5	0.08	EAVH800E□□471MLP1S
25	4,700	18 × 35.5	0.22	EAVH160E□□472MMP1S	100	22	10 × 12.5	0.07	EAVH101E□□220MJC5S
	220	10 × 16	0.14	EAVH250E□□221MJ16S		33	10 × 16	0.07	EAVH101E□□330MJ16S
	330	10 × 20	0.14	EAVH250E□□331MJ20S		47	10 × 20	0.07	EAVH101E□□470MJ20S
	470	12.5 × 20	0.14	EAVH250E□□471MK20S		100	12.5 × 20	0.07	EAVH101E□□101MK20S
	1,000	16 × 25	0.14	EAVH250E□□102ML25S		220	16 × 25	0.07	EAVH101E□□221ML25S
	2,200	16 × 35.5	0.16	EAVH250E□□222MLP1S		330	16 × 31.5	0.07	EAVH101E□□331MLN3S
	3,300	18 × 40	0.18	EAVH250E□□332MM40S		470	18 × 35.5	0.07	EAVH101E□□471MMP1S

□□ : 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.
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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.

[Part Numbering System](#)

[Part Numbering System \(Appendix\)](#)

[Standardization](#)

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