

AVH Series

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

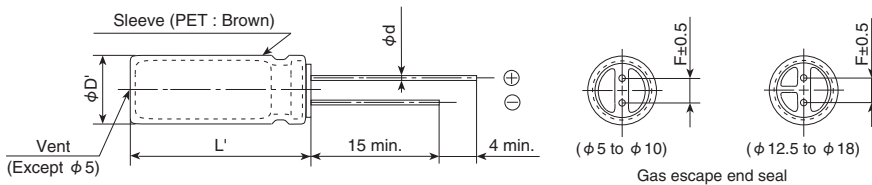


SPECIFICATIONS

Items	Characteristics									
Category	-40 to +85°C									
Temperature Range	-40 to +85°C									
Rated Voltage Range	6.3 to 100V _{dc}									
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)									
Leakage Current	I=0.03CV or 4μA, whichever is greater. (at 20°C after 1 minute) I=0.01CV or 3μA, whichever is greater. (at 20°C 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°C, 120Hz)									
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})	6.3V	10V	16V	25V	35V	50V	63V	80V	100V
	Z(-25°C)/Z(+20°C)	4	3	2	2	2	2	2	2	2
	Z(-40°C)/Z(+20°C)	10	8	6	4	3	3	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°C.									
	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°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	≤ ±20% of the initial value								
	D.F. (tan δ)	≤ 150% of the initial specified value								
	Leakage current	≤ The initial specified value								

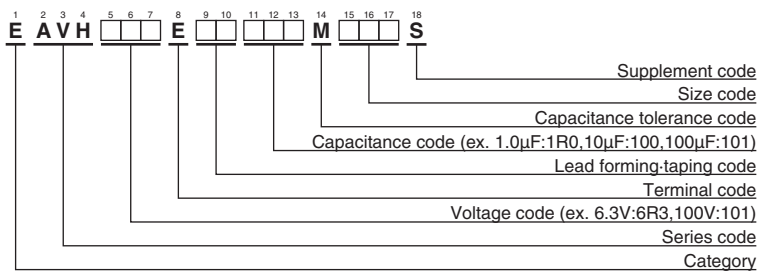
DIMENSIONS[mm]

- Terminal Code : E



φD	5	6.3	8	10	12.5	16	18
φd	0.6	0.6	0.6	0.8	0.8	0.8	0.8
F	2.0	2.5	3.5	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	50	1.0	5 × 11	0.10	EAVH500E□□1R0ME11S
	1,000	10 × 20	0.24	EAVH6R3E□□102MJ20S		2.2	5 × 11	0.10	EAVH500E□□2R2ME11S
	2,200	12.5 × 25	0.26	EAVH6R3E□□222MK25S		3.3	5 × 11	0.10	EAVH500E□□3R3ME11S
	3,300	16 × 25	0.28	EAVH6R3E□□332ML25S		4.7	5 × 11	0.10	EAVH500E□□4R7ME11S
	4,700	16 × 31.5	0.30	EAVH6R3E□□472MLN3S		10	5 × 11	0.10	EAVH500E□□100ME11S
	6,800	16 × 35.5	0.34	EAVH6R3E□□682MLP1S		22	6.3 × 11	0.10	EAVH500E□□220MF11S
	10,000	18 × 40	0.42	EAVH6R3E□□103MM40S		33	8 × 11.5	0.10	EAVH500E□□330MHB5S
10	47	5 × 11	0.20	EAVH100E□□470ME11S		47	8 × 11.5	0.10	EAVH500E□□470MHB5S
	100	6.3 × 11	0.20	EAVH100E□□101MF11S		100	10 × 16	0.10	EAVH500E□□101MJ16S
	220	8 × 11.5	0.20	EAVH100E□□221MHB5S		220	12.5 × 20	0.10	EAVH500E□□221MK20S
	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		1,000	16 × 31.5	0.10	EAVH500E□□102MLN3S
	2,200	16 × 25	0.22	EAVH100E□□222ML25S		63	2.2	5 × 11	0.09
	3,300	16 × 31.5	0.24	EAVH100E□□332MLN3S	3.3		5 × 11	0.09	EAVH630E□□3R3ME11S
	4,700	16 × 35.5	0.26	EAVH100E□□472MLP1S	4.7		5 × 11	0.09	EAVH630E□□4R7ME11S
6,800	18 × 40	0.30	EAVH100E□□682MM40S	10	6.3 × 11		0.09	EAVH630E□□100MF11S	
16	33	5 × 11	0.16	EAVH160E□□330ME11S	22		8 × 11.5	0.09	EAVH630E□□220MHB5S
	100	8 × 11.5	0.16	EAVH160E□□101MHB5S	33		8 × 11.5	0.09	EAVH630E□□330MHB5S
	220	10 × 12.5	0.16	EAVH160E□□221MJC5S	47		10 × 12.5	0.09	EAVH630E□□470MJC5S
	330	10 × 16	0.16	EAVH160E□□331MJ16S	100		10 × 20	0.09	EAVH630E□□101MJ20S
	470	10 × 20	0.16	EAVH160E□□471MJ20S	220		12.5 × 20	0.09	EAVH630E□□221MK20S
	1,000	12.5 × 25	0.16	EAVH160E□□102MK25S	330		12.5 × 25	0.09	EAVH630E□□331MK25S
	2,200	16 × 25	0.18	EAVH160E□□222ML25S	470	16 × 25	0.09	EAVH630E□□471ML25S	
	3,300	16 × 35.5	0.20	EAVH160E□□332MLP1S	1,000	18 × 35.5	0.09	EAVH630E□□102MMP1S	
	4,700	18 × 35.5	0.22	EAVH160E□□472MMP1S	80	47	10 × 16	0.08	EAVH800E□□470MJ16S
25	22	5 × 11	0.14	EAVH250E□□220ME11S		220	12.5 × 25	0.08	EAVH800E□□221MK25S
	47	6.3 × 11	0.14	EAVH250E□□470MF11S		330	16 × 31.5	0.08	EAVH800E□□331MLN3S
	100	8 × 11.5	0.14	EAVH250E□□101MHB5S		470	16 × 35.5	0.08	EAVH800E□□471MLP1S
	220	10 × 16	0.14	EAVH250E□□221MJ16S	100	1.0	5 × 11	0.07	EAVH101E□□1R0ME11S
	330	10 × 20	0.14	EAVH250E□□331MJ20S		2.2	5 × 11	0.07	EAVH101E□□2R2ME11S
	470	12.5 × 20	0.14	EAVH250E□□471MK20S		3.3	5 × 11	0.07	EAVH101E□□3R3ME11S
	1,000	16 × 25	0.14	EAVH250E□□102ML25S		4.7	6.3 × 11	0.07	EAVH101E□□4R7MF11S
	2,200	16 × 35.5	0.16	EAVH250E□□222MLP1S		10	8 × 11.5	0.07	EAVH101E□□100MHB5S
	3,300	18 × 40	0.18	EAVH250E□□332MM40S		22	10 × 12.5	0.07	EAVH101E□□220MJC5S
35	33	6.3 × 11	0.12	EAVH350E□□330MF11S		33	10 × 16	0.07	EAVH101E□□330MJ16S
	100	10 × 12.5	0.12	EAVH350E□□101MJC5S		47	10 × 20	0.07	EAVH101E□□470MJ20S
	220	10 × 20	0.12	EAVH350E□□221MJ20S		100	12.5 × 20	0.07	EAVH101E□□101MK20S
	470	12.5 × 25	0.12	EAVH350E□□471MK25S		220	16 × 25	0.07	EAVH101E□□221ML25S
	1,000	16 × 25	0.12	EAVH350E□□102ML25S		330	16 × 31.5	0.07	EAVH101E□□331MLN3S
	2,200	18 × 35.5	0.14	EAVH350E□□222MMP1S		470	18 × 35.5	0.07	EAVH101E□□471MMP1S

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

Production of the products shown in is scheduled to be discontinued.



- 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.

[Part Numbering System](#)

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

[Standardization](#)

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