

# AVH Series

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

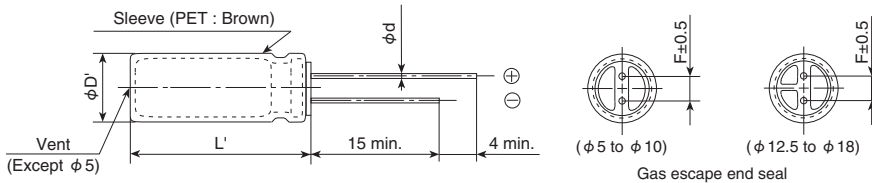


## ◆ SPECIFICATIONS

Items	Characteristics									
Category	-40 to +85°C									
Temperature Range	-40 to +85°C									
Rated Voltage Range	6.3 to 100V <sub>dc</sub>									
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 <sub>dc</sub> )	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 <sub>dc</sub> )	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								

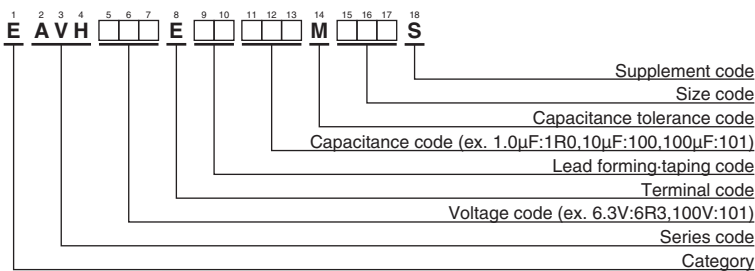
## ◆ DIMENSIONS [mm]

- 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 <sub>dc</sub> )	Cap (μF)	Case size φD×L(mm)	tan δ	Part No.	WV (V <sub>dc</sub> )	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.