Aluminum Electrolytic Capacitors for Audio

Standard, Downsized, 85℃

ASG Series

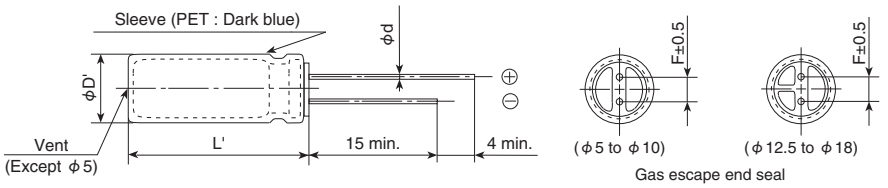
- Non solvent resistant type
- RoHS2 Compliant

◆SPECIFICATIONS

Items	Characteristics									
Category Temperature Range	-40 to +85℃									
Rated Voltage Range	6.3 to 100Vdc									
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 (Vdc)	6.3V	10V	16V	25V	35V	50V	63V	100V	
	tan δ (Max.)	0.34	0.24	0.20	0.16	0.14	0.12	0.10	0.08	
	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 (Vdc)	6.3V	10V	16V	25V	35V	50V	63V	100V	
	Z(-25℃)/Z(+20℃)	5	4	3	2	2	2	2	2	
	Z(-40℃)/Z(+20℃)	12	10	8	5	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 2,000 hours at 85℃.									
	Capacitance change	≦±20% of the initial value								
	D.F. (tan δ)	≦200% 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)	≦200% of the initial specified value								
	Leakage current	≦The initial specified value								

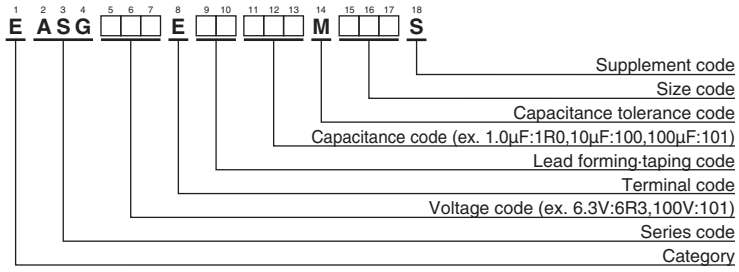
◆DIMENSIONS[mm]

●Terminal Code : E



φD	5	6.3	8	10	12.5	16	18
φd	0.5	0.5	0.6	0.6	0.6	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.						

◆PART NUMBERING SYSTEM



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

ASG Series

◆STANDARD RATINGS

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Part No.
6.3	330	6.3×11	0.34	EASG6R3E□□331MF11S
	470	6.3×11	0.34	EASG6R3E□□471MF11S
	1,000	8×11.5	0.34	EASG6R3E□□102MHB5S
	2,200	10×20	0.36	EASG6R3E□□222MJ20S
	3,300	10×20	0.38	EASG6R3E□□332MJ20S
	4,700	12.5×20	0.40	EASG6R3E□□472MK20S
	6,800	12.5×25	0.44	EASG6R3E□□682MK25S
	10,000	16×25	0.52	EASG6R3E□□103ML25S
	15,000	16×35.5	0.62	EASG6R3E□□153MLP1S
	22,000	18×40	0.76	EASG6R3E□□223MM40S
10	220	5×11	0.24	EASG100E□□221ME11S
	330	6.3×11	0.24	EASG100E□□331MF11S
	470	6.3×11	0.24	EASG100E□□471MF11S
	1,000	10×12.5	0.24	EASG100E□□102MJC5S
	2,200	10×20	0.26	EASG100E□□222MJ20S
	3,300	12.5×20	0.28	EASG100E□□332MK20S
	4,700	12.5×25	0.30	EASG100E□□472MK25S
	6,800	16×25	0.34	EASG100E□□682ML25S
	10,000	16×35.5	0.42	EASG100E□□103MLP1S
	15,000	18×35.5	0.52	EASG100E□□153MMP1S
16	100	5×11	0.20	EASG160E□□101ME11S
	220	6.3×11	0.20	EASG160E□□221MF11S
	330	8×11.5	0.20	EASG160E□□331MHB5S
	470	8×11.5	0.20	EASG160E□□471MHB5S
	1,000	10×16	0.20	EASG160E□□102MJ16S
	2,200	12.5×20	0.22	EASG160E□□222MK20S
	3,300	12.5×25	0.24	EASG160E□□332MK25S
	4,700	16×25	0.26	EASG160E□□472ML25S
	6,800	16×31.5	0.30	EASG160E□□682MLN3S
	10,000	18×35.5	0.38	EASG160E□□103MMP1S
25	47	5×11	0.16	EASG250E□□470ME11S
	100	6.3×11	0.16	EASG250E□□101MF11S
	220	8×11.5	0.16	EASG250E□□221MHB5S
	330	8×11.5	0.16	EASG250E□□331MHB5S
	470	10×12.5	0.16	EASG250E□□471MJC5S
	1,000	10×20	0.16	EASG250E□□102MJ20S
	2,200	12.5×25	0.18	EASG250E□□222MK25S
	3,300	16×25	0.20	EASG250E□□332ML25S
	4,700	16×31.5	0.22	EASG250E□□472MLN3S
	6,800	18×35.5	0.26	EASG250E□□682MMP1S
35	47	5×11	0.14	EASG350E□□470ME11S
	100	6.3×11	0.14	EASG350E□□101MF11S
	220	8×11.5	0.14	EASG350E□□221MHB5S
	330	10×12.5	0.14	EASG350E□□331MJC5S
	470	10×16	0.14	EASG350E□□471MJ16S
	1,000	12.5×20	0.14	EASG350E□□102MK20S
	2,200	16×25	0.16	EASG350E□□222ML25S
	3,300	16×35.5	0.18	EASG350E□□332MLP1S
	4,700	18×35.5	0.20	EASG350E□□472MMP1S

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Part No.
50	1.0	5×11	0.12	EASG500E□□1R0ME11S
	2.2	5×11	0.12	EASG500E□□2R2ME11S
	3.3	5×11	0.12	EASG500E□□3R3ME11S
	4.7	5×11	0.12	EASG500E□□4R7ME11S
	10	5×11	0.12	EASG500E□□100ME11S
	22	5×11	0.12	EASG500E□□220ME11S
	33	5×11	0.12	EASG500E□□330ME11S
	47	6.3×11	0.12	EASG500E□□470MF11S
	100	8×11.5	0.12	EASG500E□□101MHB5S
	220	10×12.5	0.12	EASG500E□□221MJC5S
	330	10×16	0.12	EASG500E□□331MJ16S
	470	10×20	0.12	EASG500E□□471MJ20S
	1,000	12.5×25	0.12	EASG500E□□102MK25S
	2,200	16×35.5	0.14	EASG500E□□222MLP1S
	3,300	18×35.5	0.16	EASG500E□□332MMP1S
63	10	5×11	0.10	EASG630E□□100ME11S
	22	5×11	0.10	EASG630E□□220ME11S
	33	6.3×11	0.10	EASG630E□□330MF11S
	47	6.3×11	0.10	EASG630E□□470MF11S
	100	10×12.5	0.10	EASG630E□□101MJC5S
	220	10×16	0.10	EASG630E□□221MJ16S
	330	10×20	0.10	EASG630E□□331MJ20S
	470	12.5×20	0.10	EASG630E□□471MK20S
	1,000	16×25	0.10	EASG630E□□102ML25S
	2,200	18×35.5	0.12	EASG630E□□222MMP1S
100	1.0	5×11	0.08	EASG101E□□1R0ME11S
	2.2	5×11	0.08	EASG101E□□2R2ME11S
	3.3	5×11	0.08	EASG101E□□3R3ME11S
	4.7	5×11	0.08	EASG101E□□4R7ME11S
	10	6.3×11	0.08	EASG101E□□100MF11S
	22	8×11.5	0.08	EASG101E□□220MHB5S
	33	8×11.5	0.08	EASG101E□□330MHB5S
	47	10×12.5	0.08	EASG101E□□470MJC5S
	100	10×20	0.08	EASG101E□□101MJ20S
	220	12.5×25	0.08	EASG101E□□221MK25S
	330	12.5×25	0.08	EASG101E□□331MK25S
	470	16×25	0.08	EASG101E□□471ML25S
	1,000	18×40	0.08	EASG101E□□102MM40S

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