ARI Series

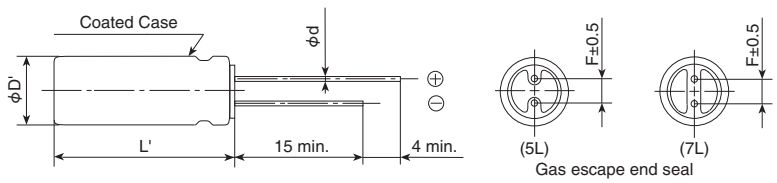
- Suitable for small and low profile product such as the car audio and electronics
- Non solvent resistant type
- RoHS Compliant

◆SPECIFICATIONS

Items	Characteristics							
Category Temperature Range	-40 to +85℃							
Rated Voltage Range	6.3 to 50Vdc							
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
	tan δ (Max.)	5L	0.27	0.23	0.18	0.16	0.14	0.12
		7L	0.35	0.27	0.22	0.20	0.17	0.15
								(at 20℃, 120Hz)
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (Vdc)		6.3V	10V	16V	25V	35V	50V
	Z(-25℃)/Z(+20℃)		4	3	2	2	2	2
	Z(-40℃)/Z(+20℃)		10	8	6	4	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)	≦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						

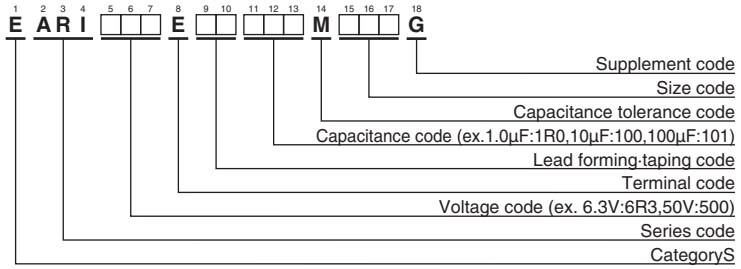
◆DIMENSIONS[mm]

●Terminal Code : E



φD (L)	4	5	6.3	8	
				(5L)	(7L)
F	1.5	2.0	2.5	2.5	3.5
φd	0.45	0.45	0.45	0.45	
φD'	φD+0.5 max.				
L'	L+1.0 max.				

◆PART NUMBERING SYSTEM



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

◆MARKING

EX) 16V47μF

●Rated voltage symbol

Rated voltage(Vdc)	Symbol
6.3	j
10	A
16	C
25	E
35	V
50	H

ARI Series

◆STANDARD RATINGS

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Part No.
6.3	22	4×5	0.27	EARI6R3E□□220MD05G
	22	4×7	0.35	EARI6R3E□□220MD07G
	47	5×5	0.27	EARI6R3E□□470ME05G
	47	5×7	0.35	EARI6R3E□□470ME07G
	220	6.3×7	0.35	EARI6R3E□□221MF07G
	330	8×5	0.27	EARI6R3E□□331MH05G
10	33	5×5	0.23	EARI100E□□330ME05G
	33	5×7	0.27	EARI100E□□330ME07G
	100	6.3×5	0.23	EARI100E□□101MF05G
	220	8×5	0.23	EARI100E□□221MH05G
16	10	4×5	0.18	EARI160E□□100MD05G
	10	4×7	0.22	EARI160E□□100MD07G
	22	5×5	0.18	EARI160E□□220ME05G
	22	5×7	0.22	EARI160E□□220ME07G
	47	6.3×7	0.22	EARI160E□□470MF07G
	100	6.3×7	0.22	EARI160E□□101MF07G
25	33	6.3×5	0.16	EARI250E□□330MF05G
	33	6.3×7	0.20	EARI250E□□330MF07G
	47	6.3×5	0.16	EARI250E□□470MF05G
	100	8×5	0.16	EARI250E□□101MH05G

WV (V_{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Part No.
35	4.7	4×5	0.14	EARI350E□□4R7MD05G
	4.7	4×7	0.17	EARI350E□□4R7MD07G
	10	5×5	0.14	EARI350E□□100ME05G
	10	5×7	0.17	EARI350E□□100ME07G
	22	6.3×5	0.14	EARI350E□□220MF05G
	22	6.3×7	0.17	EARI350E□□220MF07G
	33	8×5	0.14	EARI350E□□330MH05G
50	1.0	4×5	0.12	EARI500E□□1R0MD05G
	1.0	4×7	0.15	EARI500E□□1R0MD07G
	2.2	4×5	0.12	EARI500E□□2R2MD05G
	2.2	4×7	0.15	EARI500E□□2R2MD07G
	3.3	4×5	0.12	EARI500E□□3R3MD05G
	3.3	4×7	0.15	EARI500E□□3R3MD07G
	4.7	5×5	0.12	EARI500E□□4R7ME05G
	4.7	5×7	0.15	EARI500E□□4R7ME07G
	10	6.3×5	0.12	EARI500E□□100MF05G
	10	6.3×7	0.15	EARI500E□□100MF07G
	22	8×5	0.12	EARI500E□□220MH05G

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