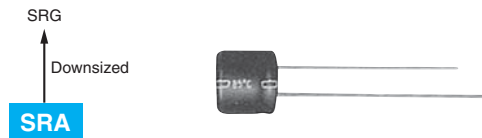


## SRA Series

- 7mm height
- Endurance : 1,000 hours at 85°C
- Non solvent resistant type
- RoHS Compliant

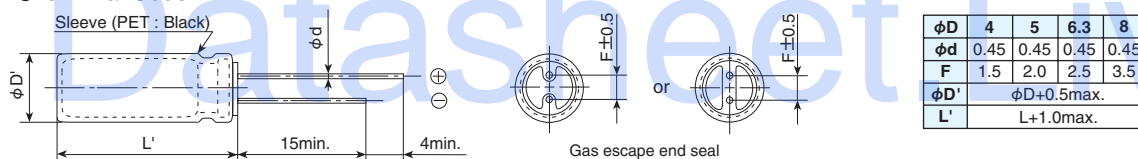


### ◆ SPECIFICATIONS

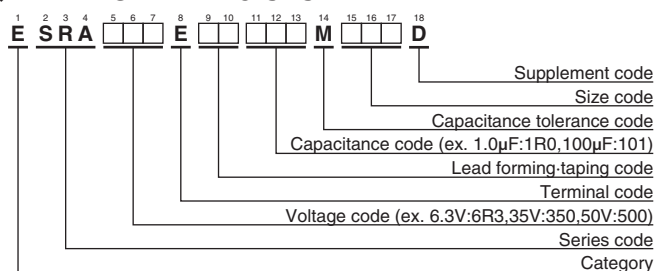
Items	Characteristics								
Category	-40 to +85°C								
Temperature Range	-40 to +85°C								
Rated Voltage Range	4 to 63V <sub>dc</sub>								
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)								
Leakage Current	I=0.01CV or 3μA, whichever is greater. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 2 minutes)								
Dissipation Factor (tanδ)	Rated voltage (V <sub>dc</sub> )	4V	6.3V	10V	16V	25V	35V	50V	63V
	tanδ (Max.)	0.35	0.24	0.20	0.16	0.14	0.12	0.10	0.08
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V <sub>dc</sub> )	4V	6.3V	10V	16V	25V	35V	50V	63V
	Z(-25°C)/Z(+20°C)	4	4	3	2	2	2	2	2
	Z(-40°C)/Z(+20°C)	10	10	8	6	4	3	3	3
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. (tanδ)	≤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°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. (tanδ)	≤200% of the initial specified value							
	Leakage current	≤The initial specified value							

### ◆ DIMENSIONS [mm]

- Terminal Code : E



### ◆ PART NUMBERING SYSTEM



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

### ◆ STANDARD RATINGS

VV (V <sub>dc</sub> )	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (mArms/85°C,120Hz)	Part No.
4	33	4×7	0.35	26	ESRA4R0E□□330MD07D
	47	4×7	0.35	34	ESRA4R0E□□470MD07D
	100	5×7	0.35	61	ESRA4R0E□□101ME07D
	220	6.3×7	0.35	95	ESRA4R0E□□221MF07D
	470	8×7	0.35	154	ESRA4R0E□□471MH07D
6.3	22	4×7	0.24	31	ESRA6R3E□□220MD07D
	47	5×7	0.24	47	ESRA6R3E□□470ME07D
	330	8×7	0.24	156	ESRA6R3E□□331MH07D
10	33	5×7	0.20	43	ESRA100E□□330ME07D
	100	6.3×7	0.20	80	ESRA100E□□101MF07D
	220	8×7	0.20	140	ESRA100E□□221MH07D
16	10	4×7	0.16	25	ESRA160E□□100MD07D
	22	5×7	0.16	39	ESRA160E□□220ME07D
	47	6.3×7	0.16	59	ESRA160E□□470MF07D
	100	6.3×7	0.16	97	ESRA160E□□101MF07D
25	33	6.3×7	0.14	53	ESRA250E□□330MF07D
	47	6.3×7	0.14	71	ESRA250E□□470MF07D
35	4.7	4×7	0.12	20	ESRA350E□□4R7MD07D
	10	5×7	0.12	30	ESRA350E□□100ME07D
	22	6.3×7	0.12	47	ESRA350E□□220MF07D
	33	6.3×7	0.12	64	ESRA350E□□330MF07D
	47	8×7	0.12	83	ESRA350E□□470MH07D
50	1.0	4×7	0.10	10	ESRA500E□□1R0MD07D
	2.2	4×7	0.10	15	ESRA500E□□2R2MD07D
	3.3	4×7	0.10	18	ESRA500E□□3R3MD07D
	4.7	5×7	0.10	23	ESRA500E□□4R7ME07D
	10	6.3×7	0.10	34	ESRA500E□□100MF07D
	22	6.3×7	0.10	57	ESRA500E□□220MF07D
63	33	8×7	0.10	76	ESRA500E□□330MH07D
	1.0	4×7	0.08	11	ESRA630E□□1R0MD07D
	2.2	4×7	0.08	17	ESRA630E□□2R2MD07D
	3.3	5×7	0.08	21	ESRA630E□□3R3ME07D
	4.7	6.3×7	0.08	26	ESRA630E□□4R7MF07D
10	6.3×7	0.08	47	ESRA630E□□100MF07D	

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