Radial Lead



RoHS2 Compliant

Halogen Free

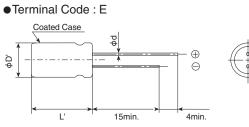
♦SPECIFICATIONS

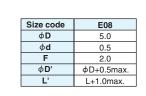
Items	Characteristics								
Category Temperature Range	-55 to +105℃								
Rated Voltage Range	2.5 to 6.3 V _{dc}								
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)								
Leakage Current*Note	500μA max. (at 20°C after 2 minutes)								
Dissipation Factor (tan δ)	0.10 max. (at 20°C, 120Hz)								
Low Temperature Characteristics (Max.Impedance Ratio)	$Z(-25^{\circ}C)/Z(+20^{\circ}C) \le 1.15$ $Z(-55^{\circ}C)/Z(+20^{\circ}C) \le 1.25$ (at 100kHz)								
Endurance	The following specification at 105℃.	s shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 20,000 hours							
	Appearance	No significant damage							
	Capacitance change	$\leq \pm 20\%$ of the initial value							
	D.F. (tan δ)	\leq 150% of the initial specified value							
	ESR	\leq 150% of the initial specified value							
	Leakage current	≦The initial specified value							
Bias Humidity Test	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjecting them to DC voltage at 60°C, 90 to 95% RH for 1,000 hours.								
	Appearance	No significant damage							
	Capacitance change	$\leq \pm 20\%$ of the initial value							
	D.F. (tan δ)	≦The initial specified value							
	ESR	≦The initial specified value							
	Leakage current	≦The initial specified value							
Surge Voltage Test	The capacitors shall be subjected to 1,000 cycles each consisting of charge with the surge voltage specified at 105°C for 30 seconds through a protective resistor($R=1k\Omega$) and discharge for 5 minutes 30 seconds.								
	Rated voltage (V _{dc})	2.5 4.0 6.3							
	Surge voltage (Vdc)	2.9 4.6 7.2							
	Appearance	No significant damage							
	Capacitance change	$\leq \pm 20\%$ of the initial value							
	D.F. (tan δ)	≦The initial specified value							
	ESR	≦The initial specified value							
	Leakage current	≦The initial specified value							

*Note : If any doubt arises, measure the leakage current after the following voltage treatment.

Voltage treatment : DC rated voltage is applied to the capacitors for 120 minutes at 105°C.

DIMENSIONS [mm]



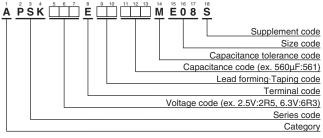


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◆PART NUMBERING SYSTEM



Please refer to "Product code guide (conductive polymer type)"

♦STANDARD RATINGS

WV (Vdc)	Сар (µF)	Case size φ D×L (mm)	ESR (mΩ max./20℃, 100k to 300kHz)	Rated ripple current (mArms/105℃, 100kHz)	Part No.
2.5	220	5×8	7	4,350	APSK2R5E 221ME08S
	330	5×8	7	4,350	APSK2R5E 331ME08S
	470	5×8	7	4,350	APSK2R5E 471ME08S
	560	5×8	7	4,350	APSK2R5E 561ME08S
4	330	5×8	8	4,050	APSK4R0E 331ME08S
6.3	270	5×8	10	3,700	APSK6R3E 271ME08S
	330	5×8	8	4,050	APSK6R3E 331ME08S

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 $\Box\,\Box$: Enter the appropriate lead forming or taping code.

♦RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Frequency(Hz)	120	1k	10k	50k	100k to 500k
Radial lead type	0.10	0.35	0.60	0.80	1.00