



- Super low ESR, high ripple current capability
- **O** Downsized from PSE series (ϕ 6.3×8L to ϕ 5×8L)
- ●Long life (20,000 hours at 105°C)
- Solvent resistant type (see PRECAUTIONS AND GUIDELINES)
- RoHS2 Compliant
- Halogen Free





SPECIFICATIONS

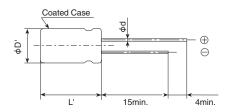
Items	Characteristics						
Category Temperature Range	-55 to +105℃						
Rated Voltage Range	2.5 to 6.3 V _{dc}						
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)						
Surge Voltage	Rated voltage(V)×1.15 (at 105° C)						
Leakage Current*Note	500μA max. (at 20℃ after 2 minutes)						
Dissipation 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 specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 20,000 hour at 105°C.						
	Appearance	No significant damage					
	Capacitance change	\leq ±20% of the initial value					
	D.F. (tan δ)	≤150% of the initial specified value					
	ESR	≤150% of the initial specified value					
	Leakage current	≦The initial specified value					
Bias Humidity Test	st The following specifications shall be satisfied when the capacitors are restored to 20°C after subjecting them to DC voltage 90 to 95% RH for 1,000 hours.						
	Appearance	No significant damage					
	Capacitance change	≦±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	of charge with the surge voltage specified at 105°C for 30 seconds 30 seconds.						
	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					
Failure Rate	0.5% per 1,000 hours maximum (Confidence level 60% at 105°C)						

^{*}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]

●Terminal Code : E





Size code	E08	
φD	5.0	
ϕ d	0.5(Note2)	
F	2.0	
φ D '	φD+0.5max.	
L'	L+1.0max.	

♦MARKINGEX) 2.5V560μF

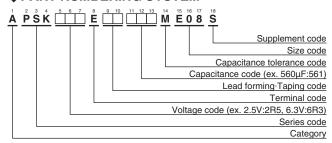
(K6D6 560 2.5V ⊕

Note2 : 0.45 for rated vollage 2.5V





◆PART NUMBERING SYSTEM



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

STANDARD RATINGS

WV (V _{dc})	Cap (µF)	Case size φD×L (mm)	ESR (mΩ max./20°C, 100k to 300kHz)	Rated ripple current (mArms/105℃, 100kHz)	Part No.
	220	5×8	7	4,350	APSK2R5E□□221ME08S
2.5	330	5×8	7	4,350	APSK2R5E□□331ME08S
2.5	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
6.3	330	5×8	8	4,050	APSK6R3E□□331ME08S

 $[\]square\,\square$: 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