



- •Super low ESR, high ripple current capability
- •Downsized from PSE series (ϕ 6.3×8L to ϕ 5×8L)
- ●Longer life (5,000 hours at 105°C)
- •ESR after endurance is specified within the initial spec
- ●RoHS Compliant
- ●Halogen Free





SPECIFICATIONS

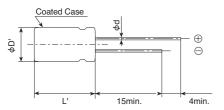
Items	Characteristics						
Category Temperature Range	−55 to +105°C						
Rated Voltage Range	2.5Vdc						
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)						
Surge Voltage	Rated voltage(V) \times 1.15 (at 105°C)						
Leakage Current*Note	500μA max. (at 20℃ after 2 minutes)						
Dissipation Factor (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℃ after the rated voltage is applied for 5,000 hours at 105℃.						
	Appearance	No significant damage					
	Capacitance change	≤±20% of the initial value					
	D.F. $(tan \delta)$	≦The initial specified value					
	ESR	≦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℃ after subjecting them to DC voltage at 60℃,						
	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	The capacitors shall be subjected to 1,000 cycles each consisting of charge with the surge voltage specified at 105℃ for 30 seconds						
	through a protective resistor(R=1kΩ) and discharge for 5 minutes 30 seconds.						
	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					
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





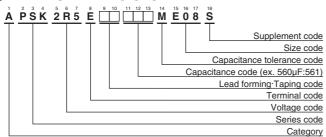
Size code	E08	
φD	5.0	
ϕ d	0.45	
F	2.0	
φ D '	φD+0.5max.	
L'	L+1.0max.	







◆PART NUMBERING SYSTEM



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

STANDARD RATINGS

WV(Vdc)	Сар(µF)	Case size φD×L (mm)	ESR (mΩ max./20°C, 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

 \square : Enter the appropriate lead forming or taping code.