



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





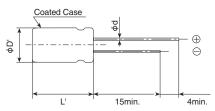
SPECIFICATIONS

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)					
Leakage Current*Note	500μA max. (at 20°C after 2 minutes)						
Dissipation Factor (tan δ)	0.10 max.	(at 20℃, 120Hz)					
Low Temperature Characteristics (Max.Impedance Ratio)	Z(-25°C)/Z(+20°C)≦1.15 Z(-55°C)/Z(+20°C)≦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	≦±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	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	$\leq \pm 20\%$ 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=1kΩ) and discharge for 5 minutes 30 seconds.						
	Rated voltage (V _{dc})	2.5 4.0 6.3					
	Surge voltage (V _{dc})	2.9 4.6 7.2					
	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					

*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





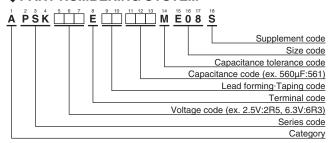
Size code	E08		
φD	5.0		
φ d	0.5 2.0		
F			
φ D '	φD+0.5max.		
L'	L+1.0max.		







◆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
	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



- Always read "Notes on Use" before using the product in order to enable you to use the product correctly and prevent any faults and accidents from occurring.
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 In addition, we have an established system with enhanced traceability, therefore we will limit the applicable lot items for any

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Part Numbering System
Part Numbering System (Appendix)
Standardization
Available Items by Manufacturing Locations
Environmental Measures
Technical Note
Precautions and Guidelines
Recommended Soldering Conditions
Taping, Lead-preforming, Terminal and Packaging Options

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