



- 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





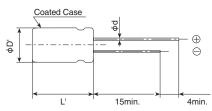
SPECIFICATIONS

Items	Characteristics							
Category Temperature Range	-55 to +105℃							
Rated Voltage Range	2.5 to 6.3 V _{dc}							
Capacitance Tolerance	±20% (M) (at 20℃, 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)	$Z(-25^{\circ})/Z(+20^{\circ})$ ≤1.15 $Z(-55^{\circ})/Z(+20^{\circ})$ ≤1.25 (at 100kHz)							
Endurance The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage is applied at 105℃.								
	Appearance	No significant damage						
	Capacitance change	$\leq \pm 20\%$ 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 specification 90 to 95% RH for 1,000 h	ns shall be satisfied when the capacitors are restored to $20^{\circ}\!\text{C}$ after subjecting them to DC voltage at $60^{\circ}\!\text{C}$, ours.						
	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





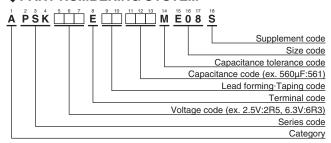
Size code	e E08
φD	5.0
ϕ d	0.5
F	2.0
φ D '	φD+0.5max.
L'	L+1.0max.







◆PART NUMBERING SYSTEM



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

STANDARD RATINGS

WV (Vdc)	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
0.3	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



- 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.
- Request the Product Specification on the product of NIPPON CHEMI-CON CORPORATION to refer to it as well as this brochure prior to the order of the products. Some specific notes on use of the ordered product may be described in the specifications.
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In addition, we have an established system with enhanced traceability, therefore we will limit the applicable lot items for any potential compensation.

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