



- •Super low ESR, high ripple current capability
- •Downsized from PSC series (ϕ 8×8L to ϕ 6.3×8L)
- ●Endurance is longer life than PSC series (5,000 hours at 105°C)
- ●ESR after endurance is specified within the initial spec
- ●Rated voltage range: 2.5 to 6.3Vdc
- ●RoHS Compliant
- ●Halogen Free (Ask Engineering Bulletin No795 in detail)





SPECIFICATIONS

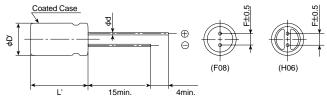
Items	Characteristics						
Category Temperature Range	-55 to +105℃						
Rated Voltage Range	2.5 to 6.3Vdc						
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)						
Surge Voltage	Rated voltage(V)×1.15						
Leakage Current	I=0.2CV or 500µA, whichever is greater						
*Note	Where, I: Max. leakage current (μA), C: Nominal capacitance (μF), V: Rated voltage (V) (at 20°C after 2 minutes)						
Dissipation Factor (tan∂)	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						
Endurance	(at 100l) The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 5,000 his						
	at 105℃.						
	Appearance	No significant damage					
	Capacitance change	≦±20% of the initial value					
	D.F. (tanδ)	≦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. (tanδ)	≦The initial specified value					
	ESR	≦The initial specified value					
	Leakage current	≦The initial specified value					
Surge Voltage Test	t The capacitors shall be subjected to 1,000 cycles each consisting of charge with the surge voltage specified at 105°C for 30 s						
	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. (tanδ)	≦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℃)						

^{*}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	F08	H06	
φD	6.3	8.0	
φd	0.6		
F	2.5	3.5	
φ D'	φD+0.5max.		
L'	L+1.5max.		

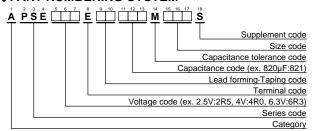


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♦PART NUMBERING SYSTEM



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	680	8×6	8	4,900	APSE2R5E□□681MH06S
	820	6.3×8	7	5,000	APSE2R5E□□821MF08S
4	560	6.3×8	7	5,000	APSE4R0E□□561MF08S
6.3	470	6.3×8	8	4,700	APSE6R3E□□471MF08S
	560	6.3×8	8	4,700	APSE6R3E□□561MF08S

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