



- ●Endurance: 2,000 to 5,000 hours at 105℃
- •Rated voltage : 16 to 20Vdc
- RoHS Compliant
- Halogen Free

NIPPON CHEMI-CON





Radial Lead

♦SPECIFICATIONS

Items	Characteristics						
Category Temperature Range	–55 to +105℃						
Rated Voltage	16 to 20V _{dc}						
Capacitance Tolerance	P20% (M) (at 20°C, 120Hz)						
Surge Voltage	Rated voltage(V)B1.15 (at 105°C)						
Leakage Current	I=0.2CV or 500μA, whichever is greater						
*Note	Where, I : Leakage current (µA), C : Nominal capacitance (µF), V : Rated voltage (V) (at 20℃ after 2 minutes)						
Dissipation Factor $(\tan \delta)$	0.12 max. (at 20°C, 120Hz)						
Low Temperature	Z(-25°C)/Z(+20°C)≦1.1	5					
Characteristics (Max.Impedance Ratio)	Z(-55°C)/Z(+20°C)≦1.25						
(Max.impedance hallo)			(at 100kHz)				
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 5,000 hours						
	(20V : 2,000 hours) at 1	05℃.	_				
	Appearance	No significant damage					
	Capacitance change	$\leq \pm 20\%$ of the initial value					
	D.F. (tanδ)	≦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°C after subjecting them to DC voltage at 60°C,						
	90 to 95% RH for 1,000 hours.						
	Appearance	No significant damage					
	Capacitance change	$\leq \pm 20\%$ of the initial value	-				
	D.F. (tanδ)	≦The initial specified value					
	ESR	≦150% of 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=1k Ω) and discharge for 5 minutes 30 seconds.						
	Appearance	No significant damage					
	Capacitance change	$\leq \pm 20\%$ of the initial value					
	D.F. (tan <i>ð</i>)	≦The initial specified value					
	ESR	\leq 150% of the initial specified value					
	Leakage current	≦The initial specified value					
Failure Rate	0.5% per 1,000 hours maximum (Confidence level 60% at 105℃)						

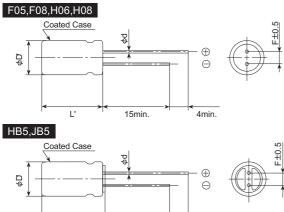
*Note : If any doubt arises, measure the leakage current after the following voltage treatment.

Voltage treatment : DC rated voltage is applied to the capacitors for 120 minutes at 105°C.

New! **PSG**_{Series} NPCAP[™]

◆DIMENSIONS [mm]

•Terminal Code : E



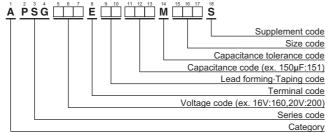
15min.

Size code	F05	F08	H06	H08	HB5	JB5
φD	6.3		8.0			10.0
φd	0.45	0.6				
F	2.5		3.5		5.0	
φ D '	φD+0.5max.					
Ľ	L+1.0max.			L+1.5	L+1.5max.	



♦ PART NUMBERING SYSTEM

Ľ



4min.

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

♦STANDARD RATINGS

WV(Vdc)	Cap(µF)	Case size ¢D×L(mm)	ESR (mΩ max./20°C, 100 k to 300kHz)	Rated ripple current (mArms/105℃, 100kHz)	Part No.
16	150	6.3×5	20	3,200	APSG160EDD151MF05S
	270	6.3×8	15	3,800	APSG160E 271MF08S
	270	8×6	22	3,300	APSG160E 271MH06S
	470	8×8	16	4,000	APSG160E 0471MH08S
	560	8×11.5	14	4,970	APSG160EDD561MHB5S
	820	10×11.5	12	5,400	APSG160E□□821MJB5S
	1,000	10×11.5	12	5,400	APSG160EDD102MJB5S
20	120	6.3×5	20	3,200	APSG200E 121MF05S

□□ : Enter the appropriate lead forming or taping code.