

## HPR Series Snap-in Type 105°C 基板自立型大電容量品

### Features

- Highly reliable capacitors that withstand ripple current.
- Two or three dimensions with same ratings.
- Terminal spacing fixed at 10mm for printed circuit board plug in.
- Aluminum case designed explosion-proof vent.
- Best for switching power supplies.



### Specifications

No	Item	Performance Characteristics												
1	使用温度範囲 Operating Temperature Range	-40 to + 85°C	-25 to + 85°C											
2	定格電圧範囲 Rated Voltage Range	10 to 100 VDC	160 to 450 VDC											
3	静電容量範囲 Capacitance Range	330 to 68000uF	33 to 2200uF											
4	静電容量容許差 Capacitance Tolerance	±20%(120Hz, +20°C)												
5	漏電電流 Leakage Current(+20°C, max)	I ≤ 0.02CV After 5 minutes with rated working voltage applied.												
6	損失角 Dissipation Factor(tanδ)	Less than the value under table (%)												
		μ F \ WVDC	10~16	25~35	50~63	80~100	160~250	315~450						
		47~390	-	-	-	-	15	20						
		470~3900	25	20	20	20	15	20						
		4700~8200	35	30	30	25	-	-						
		10000~22000	40	35	30	-	-	-						
		27000~47000	45	40	35	-	-	-						
56000~68000	50	45	-	-	-	-								
		( +20°C, at 120Hz)												
7	温度特性 Low Temperature Characteristics (120Hz)	Impedance ratio at 120 Hz												
		Rated Voltage (V)	10	16	25	35	50	63	100	160	200	250	400	450
		Z-25°C/Z+20°C	5	5	4	4	4	4	4	4	4	4	8	8
		Z-40°C/Z+20°C	15	15	15	12	12	12	12	-	-	-	-	
8	高温負荷特性 Load Life	Test conditions												
		Duration time	:2000Hrs											
		Ambient temperature	:+105°C											
		Applied voltage	:Rated DC working voltage											
		After test requirements at +20°C												
		Capacitance change	:≤ ±20% of the initial measured value											
		Dissipation factor	:≤ 200% of the initial specified value											
		Leakage current	:≤ The initial specified value											
9	高温無負荷特性 Shelf Life	Test conditions												
		Duration time	:1000Hrs											
		Ambient temperature	:+105°C											
		Applied voltage	:None											
		After test requirements at +20°C	: Same limits as Load life.											
		Pre-treatment for measurements	: shall be conducted after application of DC working voltage for 30 minutes.											

### Outline drawing:(Unit:mm)

#### SYMBOL G : P.C.B. TERMINAL(SNAP-IN)

