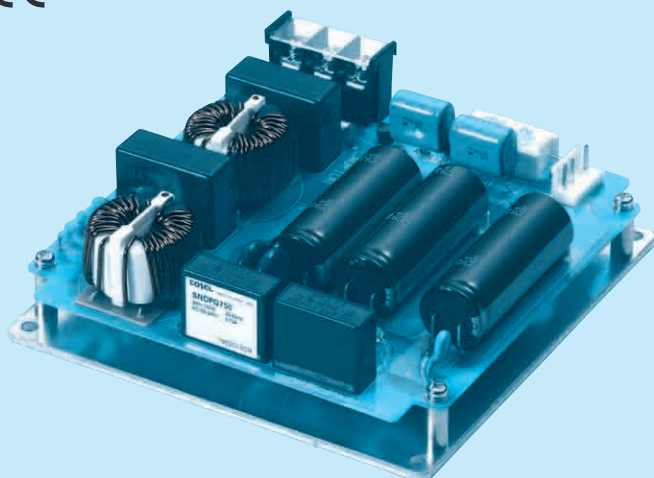


## SNDPG750

SNDPG 750 - ☐

① ② ③



- ① Series name  
 ② Output power  
 750 : 750W (ACIN 200V)  
 ③ Optional  
 C : with Coating  
 R : with Remote ON/OFF  
 (Enable signal)

Please refer to Instruction manual 7.

\* Please note that the unit's internal components is damaged if the output is short-circuit.

MODEL	SNDPG750	
AC INPUT[V]	AC85 - 264	AC170 - 264
MAX OUTPUT WATTAGE[W]	*1 500	750
DC OUTPUT VOLTAGE[V]	*2 360	

## SPECIFICATIONS

	MODEL	SNDPG750	
INPUT	VOLTAGE[V]	AC85 - 264 1 $\phi$	AC170 - 264 1 $\phi$
	POWER FACTOR CORRECTION RANGE[V]	AC85 - 264 1 $\phi$	
	CURRENT[A]	5.72typ (ACIN 100V)	4.24typ (ACIN 200V)
	FREQUENCY[Hz]	50/60 (47 - 63)	
	INRUSH CURRENT[A]	20/20 typ (Io=100%) (Primary inrush current / Secondary inrush current) (More than 10 sec. to re-start)	
	*3 AC100V	40/20 typ (Io=100%) (Primary inrush current / Secondary inrush current) (More than 10 sec. to re-start)	
	AC200V		
	EFFICIENCY[%]	93typ (ACIN 100V)	96typ (ACIN 200V)
OUTPUT	POWER FACTOR	0.96typ (ACIN 100V)	0.93typ (ACIN 200V)
	LEAKAGE CURRENT[mA]	0.75 max (60Hz, According to IEC60950 and DEN-AN)	
	WATTAGE[W]	500	750
	VOLTAGE[V]	*2 360	
PROTECTION CIRCUIT AND OTHERS	VOLTAGE ACCURACY	*4 $\pm 2\%$	
	OVERVOLTAGE PROTECTION[V]	DC400 - 450V The power factor corrector function stops	
	ENA	*5 Enable signal, Open-corrector output	
ISOLATION	OTHERS	*6 Parallel operation impossible , Thermal protection	
	INPUT-OUTPUT, RC	*9 Non isolated	
	INPUT, OUTPUT, RC-FG	*9 AC2,800V 1minute Cutoff current = 10mA, DC500V, 50M $\Omega$ min (20 $\pm$ 15 $^{\circ}$ C)	
ENVIRONMENT	OUTPUT-RC	*9 AC100V 1minute Cutoff current = 25mA, DC100V, 10M $\Omega$ min (20 $\pm$ 15 $^{\circ}$ C)	
	OPERATING TEMP., HUMID. AND ALTITUDE	*8 -20 to +95 $^{\circ}$ C (Aluminum base plate of the power module), 20 - 95%RH (Non condensing) (Refer to DERATING CURVE) 3,000m (10,000feet) max	
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +95 $^{\circ}$ C, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max	
	VIBRATION	10 - 55Hz, 19.6m/s <sup>2</sup> (2G), 3minutes period, 60minutes each along X, Y and Z axis	
SAFETY	IMPACT	196.1m/s <sup>2</sup> (20G), 11ms, once each along X, Y and Z axis	
	SAFETY AGENCY APPROVALS	UL60950-1, C-UL, EN60950-1, Complies with DEN-AN	
	CONDUCTED NOISE	Complies with FCC-A, VCCI-A, CISPR22-A, EN55011-A, EN55022-A	
OTHERS	HARMONIC ATTENUATOR	*7 Complies with IEC61000-3-2	
	CASE SIZE/WEIGHT	125 X 44.5 X 127mm [4.92 X 1.75 X 5.0inches] (W X H X D) / 600g max	
	COOLING METHOD	Conduction cooling (e.g. heat radiation from the aluminum base plate to the attached heat sink)	

\*1 Refer to the instruction manual 2.

\*2 When the input voltage is more than 240V, the output voltage becomes the value proportional to the input voltage.

\*3 The value is primary surge. The current of input surge to a built-in noise filter (0.2ms or less) is excluded.

\*4 The value included the output setting and the line regulation, the load regulation and the temperature regulation.  
However, the input voltage is less than 240V.

\*5 Refer to the instruction manual 4.4.

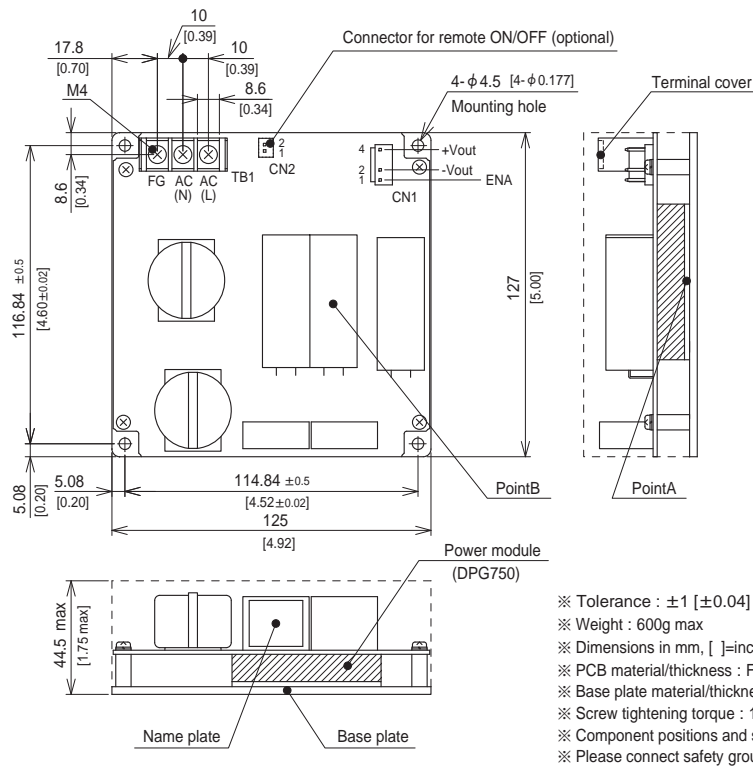
\*6 The thermal protection stops the power factor corrector function and the ENA signal.

\*7 Please contact us about class C.

\*8 Refer to the instruction manual 6.2.

\*9 Applicable when remote control (optional) is added.

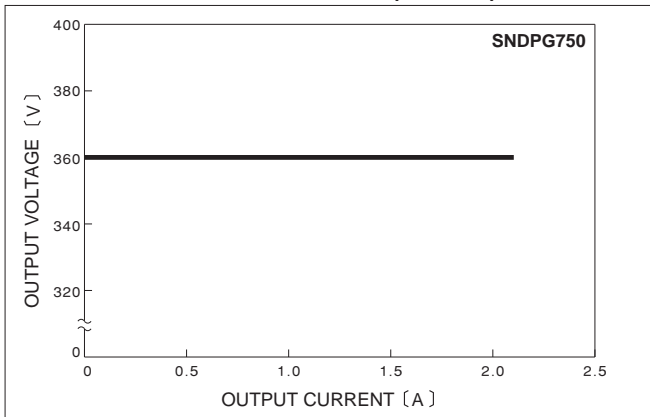
## External view



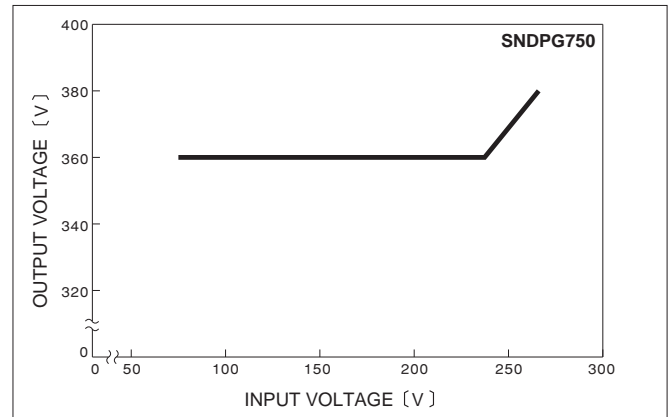
- ※ Tolerance :  $\pm 1$  [ $\pm 0.04$ ]
- ※ Weight : 600g max
- ※ Dimensions in mm, [ ]=inches
- ※ PCB material/thickness : FR-4 / 1.6mm [0.06]
- ※ Base plate material/thickness : Aluminum / 3.0mm [0.12]
- ※ Screw tightening torque : 1.6N · m (16.9kgf · cm) max
- ※ Component positions and sizes are for your reference if they have no dimensions.
- ※ Please connect safety ground to the base plate in φ4.5 [φ0.177] hole.

## Performance data

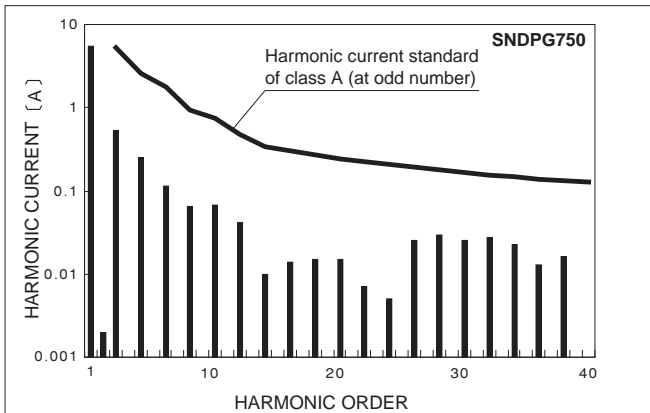
### ■ STATIC CHARACTERISTICS (AC230V)



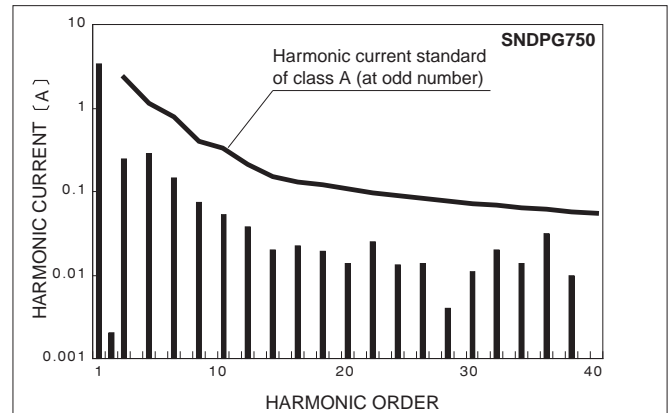
### ■ OUTPUT VOLTAGE FOR INPUT



### ■ HARMONIC CURRENT (AC100V)



### ■ HARMONIC CURRENT (AC230V)



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