



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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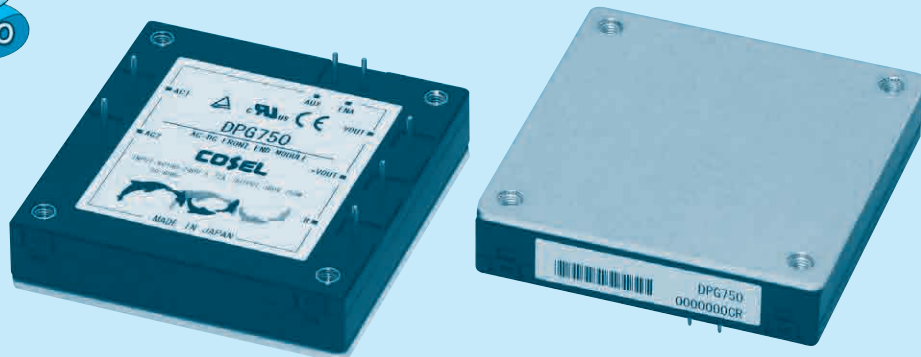
DPG

DPG 750

① ②



① Series name
② Output power
500 : 500W (ACIN 200V)
750 : 750W (ACIN 200V)



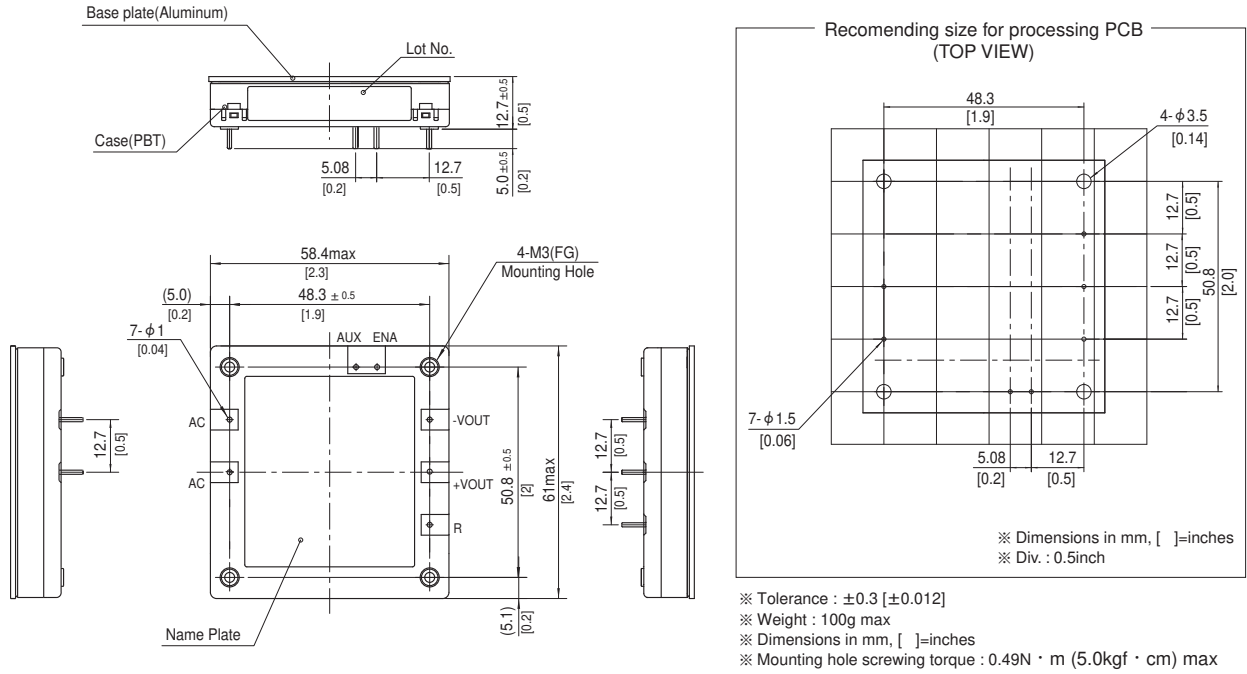
MODEL	DPG500		DPG750	
AC INPUT[V]	AC85 - 264	AC170 - 264	AC85 - 264	AC170 - 264
MAX OUTPUT WATTAGE[W]	*1 300	500	500	750
DC OUTPUT VOLTAGE[V]	*2 360			

SPECIFICATIONS

	MODEL	DPG500		DPG750	
INPUT	VOLTAGE[V]	AC85 - 264 1 φ	AC170 - 264 1 φ	AC85 - 264 1 φ	AC170 - 264 1 φ
	POWER FACTOR CORRECTION RANGE[V]	AC85 - 264 1 φ			
	CURRENT[A]	3.47typ (ACIN 100V)	2.86typ (ACIN 200V)	5.72typ (ACIN 100V)	4.24typ (ACIN 200V)
	FREQUENCY[Hz]	50/60 (47 - 63) Hz			
	INRUSH CURRENT[A]	Limited by external resistance			
	EFFICIENCY[%]	92typ (ACIN 100V)	95typ (ACIN 200V)	93typ (ACIN 100V)	96typ (ACIN 200V)
	POWER FACTOR	0.96typ (ACIN 100V)	0.93typ (ACIN 200V)	0.96typ (ACIN 100V)	0.93typ (ACIN 200V)
	LEAKAGE CURRENT[mA]	0.75 max (60Hz, According to IEC60950 and DEN-AN)			
OUTPUT	WATTAGE[W]	*1 300	500	500	750
	VOLTAGE[V]	*2 360			
	VOLTAGE ACCURACY	*3 ±2%			
PROTECTION CIRCUIT AND OTHERS	OVERVOLTAGE PROTECTION[V]	DC400 - 450V The power factor corrector function stops			
	ENA	*4	Enable signal, Open-drain output, Maximum sink current 10mA, Maximum allowance voltage 35V		
	OTHERS	*5	Parallel operation impossible, Thermal protection		
ISOLATION	INPUT-OUTPUT	Non isolated			
	INPUT, OUTPUT-FG	AC2,800V 1minute Cutoff current = 10mA, DC500V, 50MΩ min (20±15°C)			
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-40 to +100°C (On aluminum base plate), 20 - 95%RH (Non condensing) (Refer to DERATING CURVE) 3,000m (10,000feet) max			
	STORAGE TEMP., HUMID. AND ALTITUDE	-40 to +100°C, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max			
	VIBRATION	10 - 55Hz, 49.0m/s ² (5G), 3minutes period, 60minutes each along X, Y and Z axis			
	IMPACT	196.1m/s ² (20G), 11ms, once each along X, Y and Z axis			
SAFETY	AGENCY APPROVALS	UL60950-1, C-UL, EN60950-1, EN50178 Complies with DEN-AN and IEC60950-1			
	HARMONIC ATTENUATOR	Complies with IEC61000-3-2 *6			
OTHERS	CASE SIZE/WEIGHT	58.4 × 12.7 × 61mm [2.3 × 0.5 × 2.4 inches] (W × H × D) / 100g max			
	COOLING METHOD	Conduction cooling (e.g. heat radiation from the aluminum base plate to the attached heat sink)			

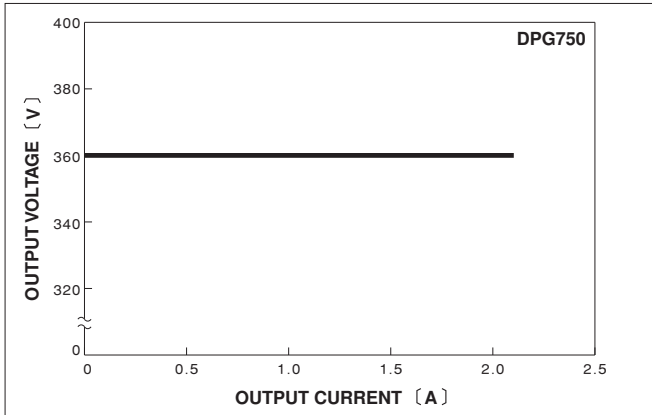
- *1 Refer to Input voltage derating.
- *2 When the input voltage is more than 240V, the output voltage becomes the value proportional to the input voltage.
- *3 The value included the output setting and the line regulation, the load regulation and the temperature regulation. However, the input voltage is less than 240V.
- *4 Refer to the instruction Manual.
- *5 The thermal protection stops the power factor corrector function and the ENA signal.
- *6 Please contact us about class C.

External view

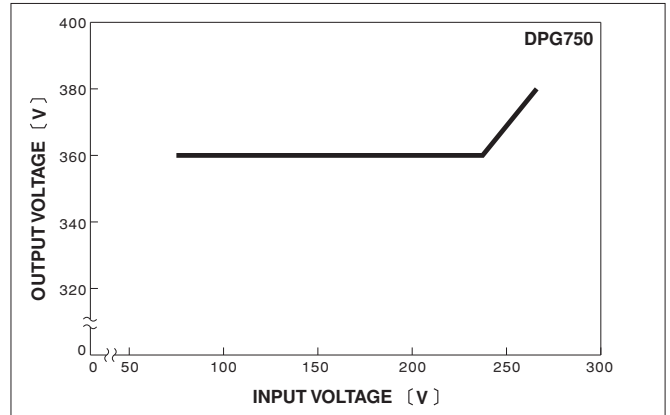


Performance data

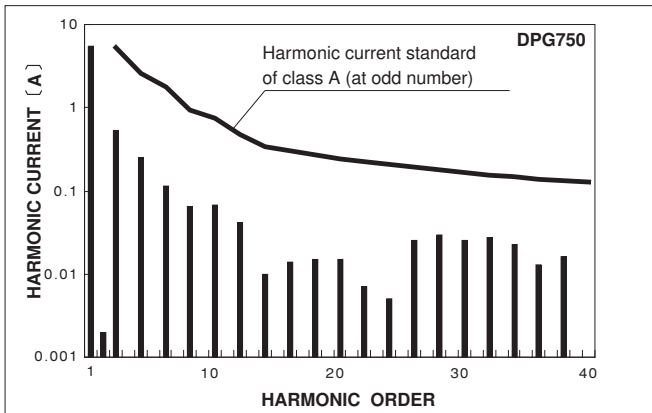
■ STATIC CHARACTERISTICS (AC230V)



■ OUTPUT VOLTAGE FOR INPUT



■ HARMONIC CURRENT (AC100V)



■ HARMONIC CURRENT (AC230V)

