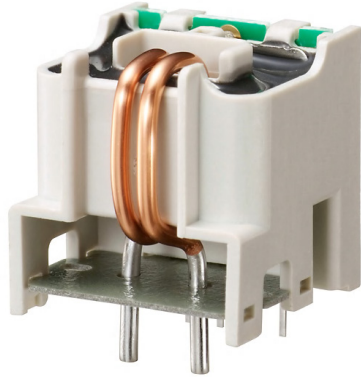
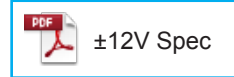
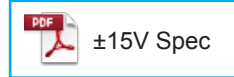


**HC-PDG**



- Rated current 5A ~ 50A
- Superior noise-resistance
- Superior saturation characteristics
- Reduced height compact design
- Single-power supplies also available
- For additional ±15V and ±12V products, contact sales@dgseals.com or click below

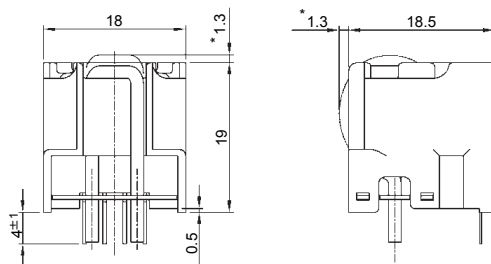


**Applications**

Inverters, Servo drivers, Power supply equipment, Uninterruptible power supply (UPS), NC machine tools, Welders

**Dimensions**

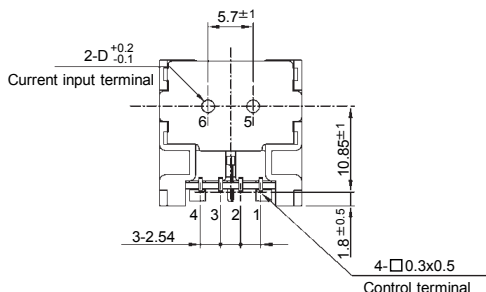
(mm)



Dimensions of Current Input Terminals

Size of primary winding	Width D
Φ0.8	Φ0.8
Φ1.0	Φ1.0
Φ1.1	Φ1.1
Φ1.3	Φ1.3
Φ1.6	Φ1.6

Note) Marking \* mean maximum dimensions of primary winding protuberant.



General tolerance: ±0.5

- Terminal No.
- 1 - (-) terminal
  - 2 - GND
  - 3 - (+) terminal
  - 4 - Output
  - 5 - (+) input
  - 6 - (-) input

Weight : 9g

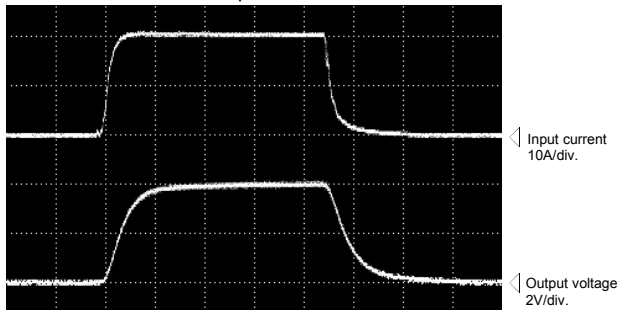
**Specification** Ta=25° C

Type	HC-PDG05V4B15	HC-PDG10V4B15	HC-PDG20V4B15	HC-PDG30V4B15	HC-PDG50V4B15
Rated current [ If ]	±5A	±10A	±20A	±30A	±50A
Continuously flowing DC current	±8.8A	±13.8A	±23.3A	±23.3A	±35.4A
Saturation current [ Is ]	±15A	±25A	±50A	±75A	±150A
Linearity limits	0~±13.5A	0~±22.5A	0~±45A	0~±67.5A	0~±135A
Size of primary winding	Φ0.8	Φ1.0	Φ1.3	Φ1.3	Φ1.6
Turns	10	6	3	2	1
Rated output [ Vh ]	±4V±1.5% (RL=10kΩ)				
Residual output [ Vo ]	Within ±50mV				
Output linearity	Within ±1%				
Response time	Within 10μs (at di/dt=If/μs)				
Response performance	Within 10%				
Hysteresis voltage range	Within 60mV				
Output Temp. Coef.	Within ±0.1%/° C				
Residual output Temp. Coef.	Within ±2mV/° C				
Control power supply	±15V±5%				
Consumption current	Within 20mA				
Operating Temp.	-10° C~+80° C				
Storage Temp.	-15° C~+85° C				
Dielectric withstand voltage	2500V AC 50/60Hz 1minute				
Insulation resistance	Not less than 500MΩ 500V DC				

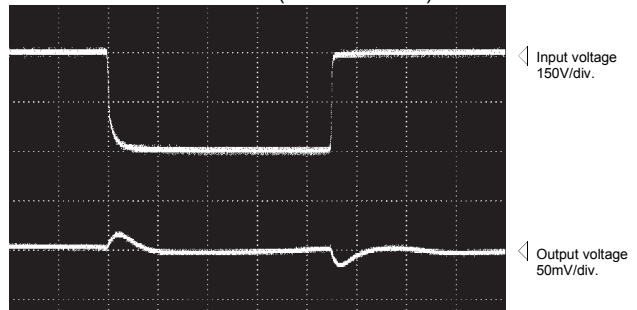
Note1) The indicated residual voltage is the one after the core hysteresis is removed.

**Characteristics chart** HC-PDG20V4B15 5μs/div. Time base

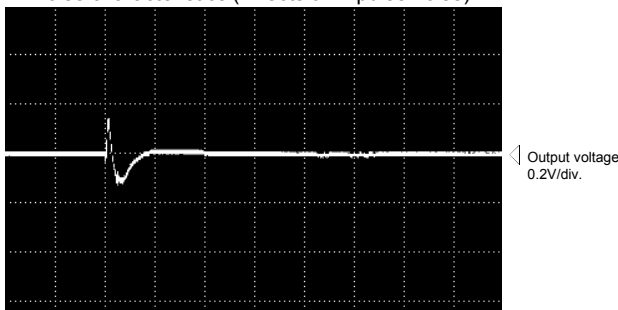
Pulse current response characteristic



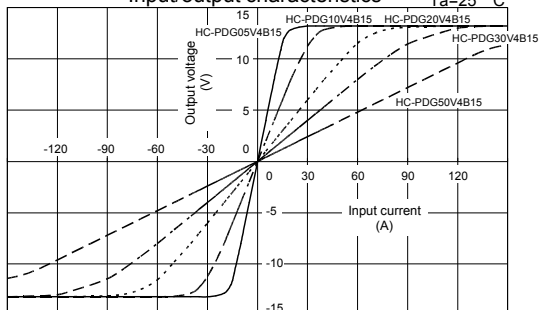
Noise characteristics (Effects of dv/dt)



Noise characteristics (Effects of impulse noise)



Input/output characteristics



Note: The marks "◁" means 0V or 0A.