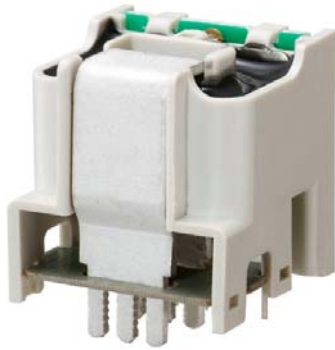


**HC-PDK**



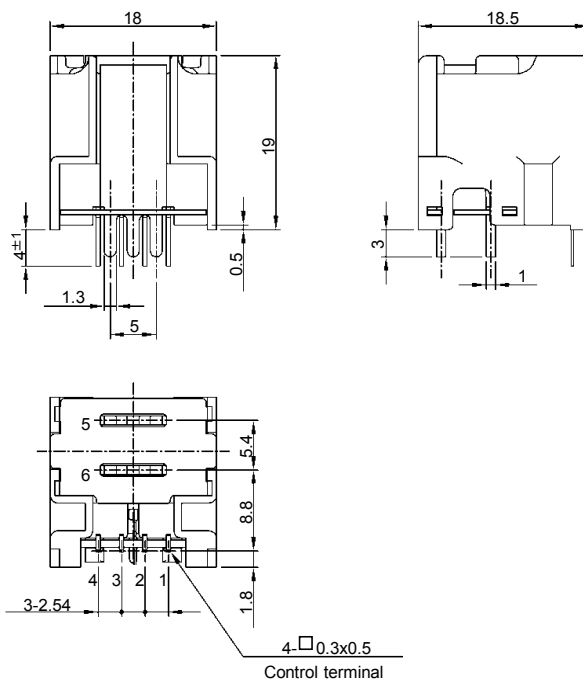
- Rated current 50A ~ 100A
- Superior noise-resistance
- Superior saturation characteristics
- Reduced height compact design
- Single-power supplies also available
- ±12 Volt version also available

**Applications**

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

**Dimensions**

(mm)



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

Weight : 10g

General tolerance: ±0.5

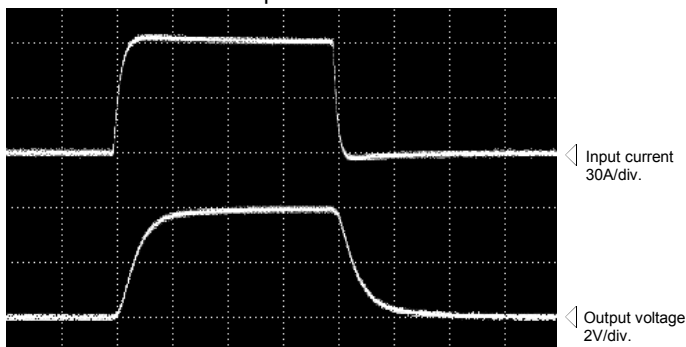
**Specification** Ta=25°C

Type	HC-PDK50V4B15	HC-PDK60V4B15	HC-PDK100V4B15
Rated current [ If ]	±50A	±60A	±100A
Continuously flowing DC current		±100A	
Saturation current [ Is ]		±150A	
Linearity limits		0~±135A	
Size of primary busbar		Busbar 1 x 7.8	
Turns		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	

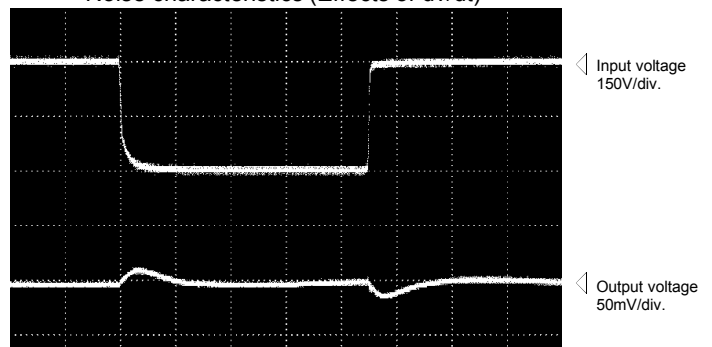
Note1) The indicated residual output is the one after the core hysteresis is removed.

**Characteristics chart** HC-PDK60V4B15 Time base: 5μs/div.

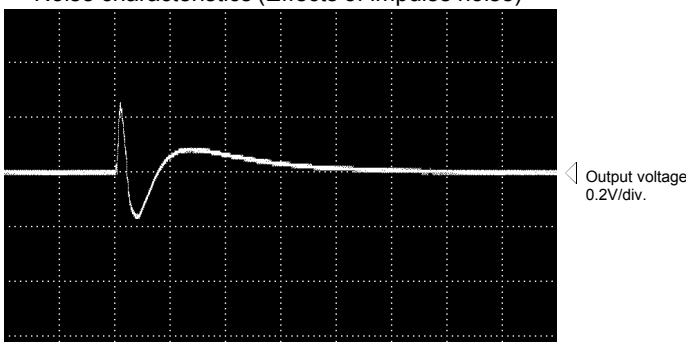
Pulse current response characteristic



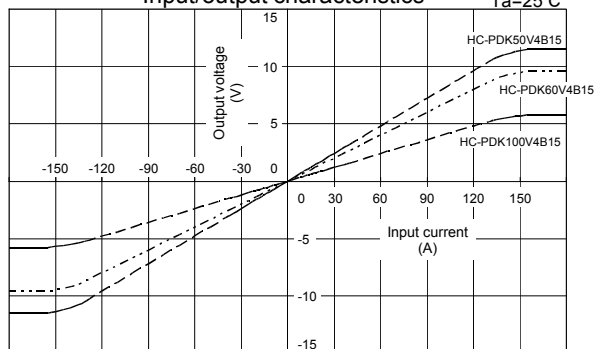
Noise characteristics (Effects of dv/dt)



Noise characteristics (Effects of impulse noise)



Input/output characteristics



Note: The marks "◁" means 0V or 0A.