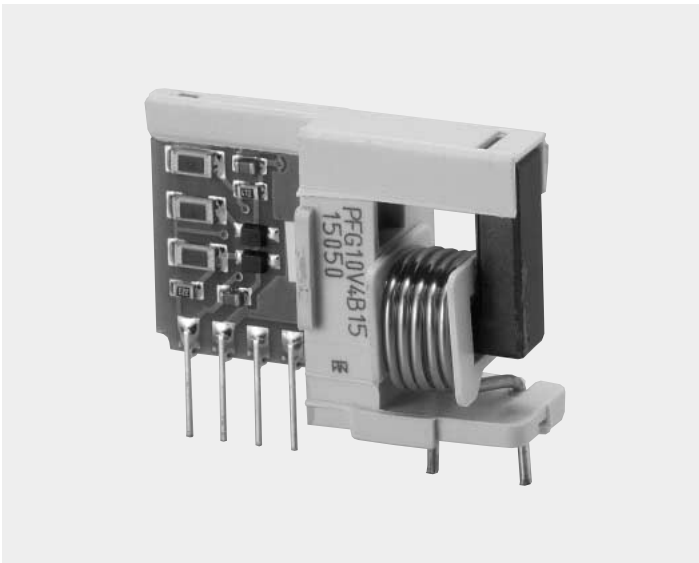


HC-PFG



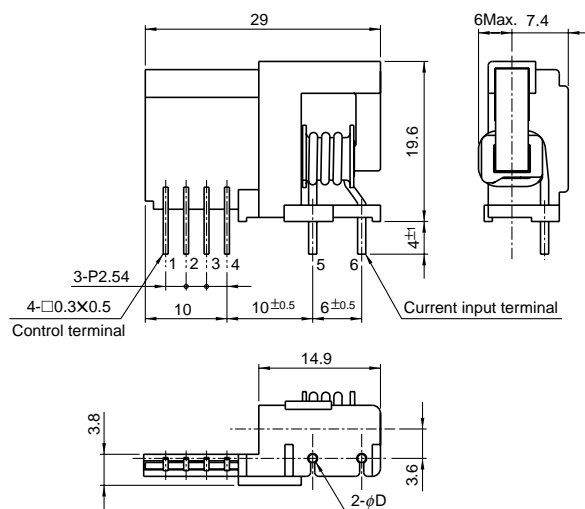
- For European Standards
- Rated current3A~30A
- Superior noise-resistance
- Small mounting surface (SIP type)

Applications

Inverters, servo drivers, NC machine tools

Dimensions

(mm)



Size of primary winding	Width D
φ0.5	φ0.5
φ0.6	φ0.6
φ0.8	φ0.8
φ1.0	φ1.0
φ1.1	φ1.1
φ1.3	φ1.3

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

Weight : 6g

Specification

Ta=25°C

Type	HC-PFG03V4B15	HC-PFG05V4B15	HC-PFG10V4B15	HC-PFG20V4B15	HC-PFG30V4B15
Rated current [If]	±3A	±5A	±10A	±20A	±30A
Saturation current [Is]	±9A	±15A	±30A	±60A	±75A
Linearity limits	0~±7.5A	0~±12.5A	0~±25A	0~±60A	0~±62.5A
Size of primary winding	φ0.6	φ0.8	φ0.8	φ1.3	φ1.3
Turns	16	10	5	2	2
Rated output [Vh]	Within ±4V±2% (RL=10kΩ)				
Residual output [Vo]	Within ±100mV				
Output linearity	Within ±1%				
Response time	Within 10μsec				
Output Temp. Coef.	Within ±0.1%/°C				
Residual output Temp. Coef.	Within ±3mV/°C				
Control power supply	±15V±5%				
Operating Temp.	-10°C~+75°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.

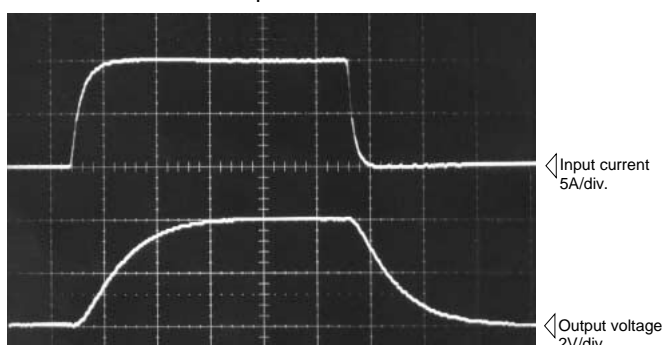
Note2) For continuously flowing DC currents, see the principal characteristics marked by an asterisk (*) on page 1-5.

Characteristics chart

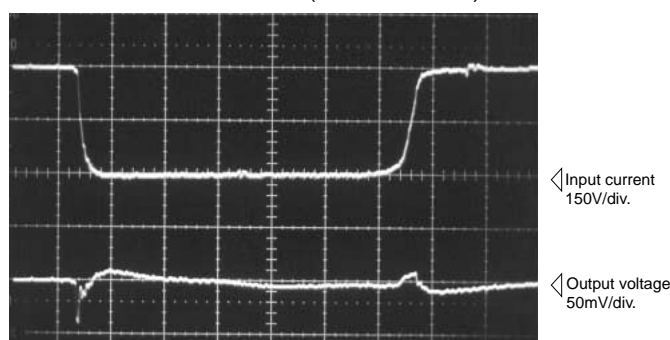
HC-PFG10V4B15

Time base : 5μs/div.

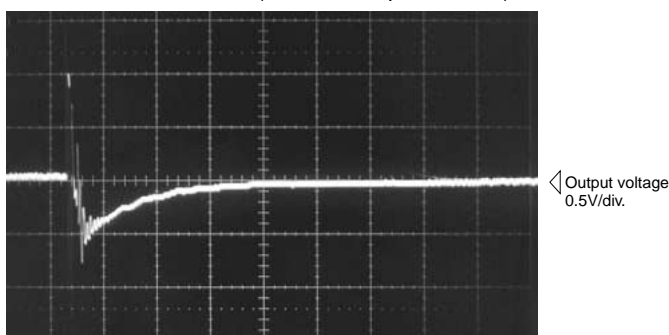
Pulse current response characteristic



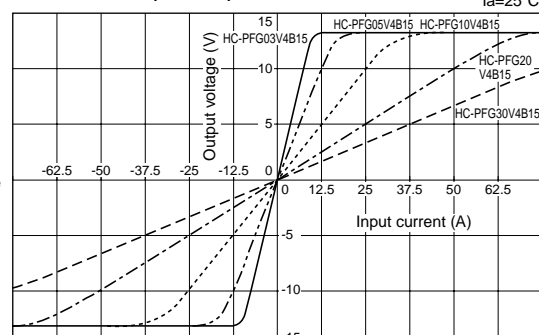
Noise characteristics (Effects of dv/dt)



Noise characteristics (Effects of impulse noise)



Input/output characteristics



Note : The mark "◁" means 0V or 0A.