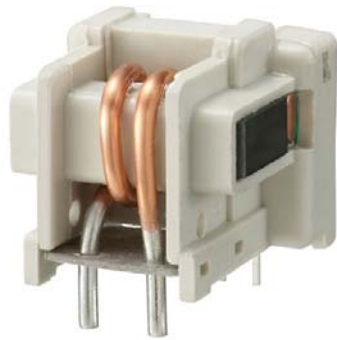


HC-PD



● 定格電流値 … 5A ~ 50A
Rated current … 5A ~ 50A

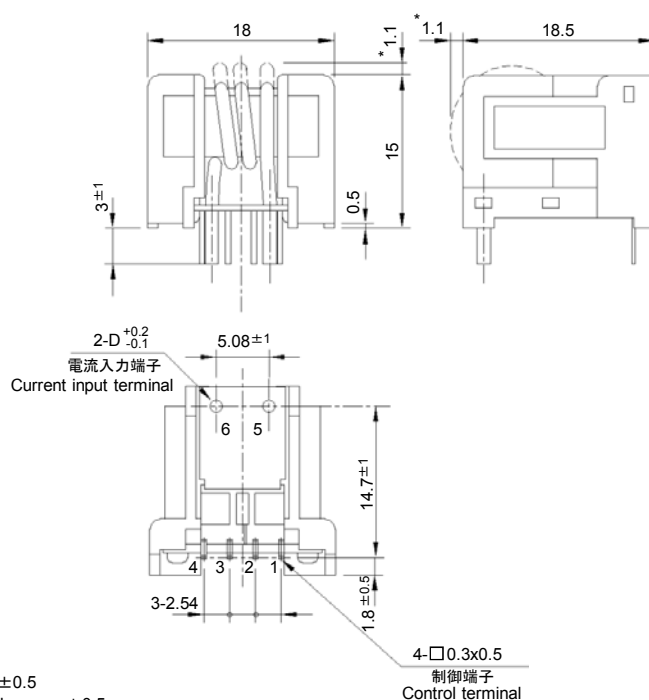
● 高さを抑えたコンパクト設計
Reduced height compact design

用途 Applications

インバータ装置, サーボドライバ, NC工作機
Inverters, Servo drivers, NC machine tools

外形寸法図 Dimensions

(mm)



一般公差: ±0.5
General tolerance: ±0.5

電流入力端子寸法
Dimensions of Current Input Terminals

1次巻線線径 Size of primary winding	D寸法 Width D
Φ0.8	Φ0.8
Φ1.3	Φ1.3
Φ1.6	Φ1.6

注) * 印寸法は一次巻線のみ出し範囲を示す
Note) The dimensions marked with * are protruded areas of the primary winding

端子番号 Terminal No. 1 … 制御電源(-) (-) terminal
 2 … GND
 3 … 制御電源(+) (+) terminal
 4 … 出力 Output
 5 … 電流入力(+) (+) input
 6 … 電流入力(-) (-) input

質量 Weight : 6g

電気特性 Specification

Ta=25°C

形名 (Type)	HC-PD05V4B15	HC-PD10V4B15	HC-PD20V4B15	HC-PD30V4B15	HC-PD50V4B15
定格電流 (Rated current) [If]	±5A	±10A	±20A	±30A	±50A
連続通電DC電流 (Continuously flowing DC current)	±8.8A	±23.3A	±23.3A	±35.4A	±35.4A
飽和電流 (Saturation current) [Is]	±15A	±30A	±45A	±90A	±90A
直線性範囲 (Linearity limits)	0~±12.5A	0~±25A	0~±37.5A	0~±75A	0~±75A
1次巻線線径 (Size of primary winding)	Φ0.8	Φ1.3	Φ1.3	Φ1.6	Φ1.6
ターン数 (Turns)	6	3	2	1	1
定格出力 (Rated output) [Vh]	±4V±2% (RL=10kΩ)				
残留出力 (Residual output) [V0]	Within ±100mV				
直線性 (Output linearity)	Within ±1%				
応答速度 (Response time)	Within 10μs (at di/dt=1f/μs)				
過渡特性 (Response performance)	Within 10%				
ヒステリシス巾 (Hysteresis voltage range)	Within 100mV				
出力温度特性 (Output Temp. Coef.)	Within ±0.1%/°C				
残留出力温度特性 (Residual output Temp. Coef.)	Within ±6mV/°C				
制御電源 (Control power supply)	±15V±5%				
消費電流 (Consumption current)	Within 30mA				
使用温度範囲 (Operating Temp.)	-10°C~+80°C				
保存温度範囲 (Storage Temp.)	-15°C~+85°C				
耐電圧 (Dielectric withstand voltage)	2500V AC 50/60Hz 1minute				
絶縁抵抗 (Insulation resistance)	Not less than 500MΩ 500V DC				

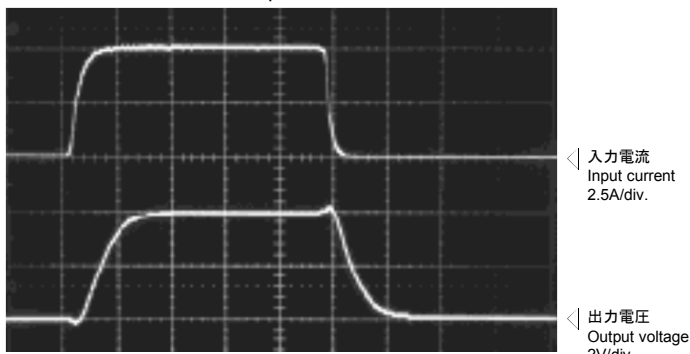
Note1) 残留出力値はコアヒステリシス除去後の値です。
The indicated residual output is the one after the core hysteresis is removed.

特性図 Characteristics chart

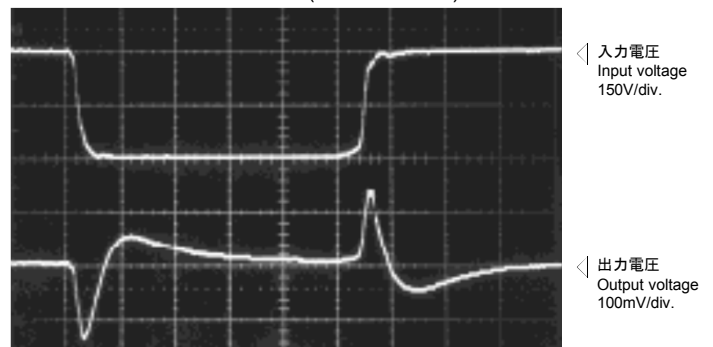
HC-PD05V4B15

時間軸 Time base: 5μs/div.

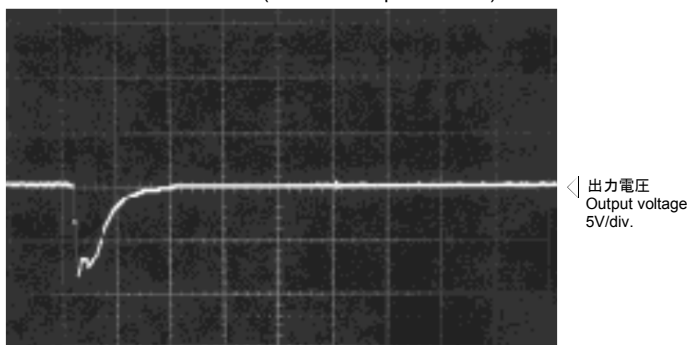
パルス電流応答特性
Pulse current response characteristic



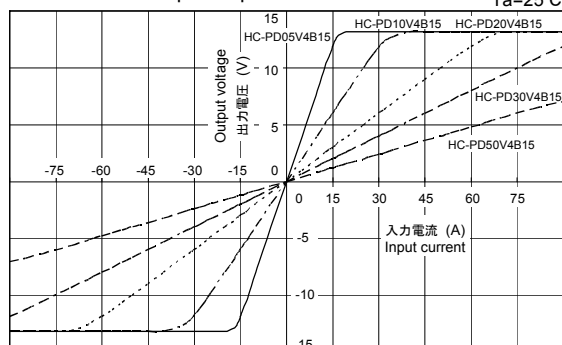
ノイズ特性 (dv/dtの影響)
Noise characteristics (Effects of dv/dt)



ノイズ特性 (インパルスノイズの影響)
Noise characteristics (Effects of impulse noise)



入-出力特性
Input/output characteristics



注: "◁" は0Vまたは、0Aを示します。 The marks "◁" means 0V or 0A.