

Type name	HC-PRD25V4B15ST	HC-PRD30V4B15ST	HC-PRD40V4B15ST	HC-PRD50V4B15ST
Rated current [I _f]	±25A	±30A	±40A	±50A
Continuously flowing DC current	±35A			
Saturation current [I _s]	≥ ±75A	≥ ±90A		
Linearity limits	0~±75A			
Size of primary winding	□1×2			
Turns	1			
+ Rated output [+V _H]	V ₀ +4V±1.5% (Typ < ±1%)			
- Rated output [-V _H]	V ₀ -4V±1.5% (Typ < ±1%)			
Residual output [V ₀]	0V±60mV (Typ < ±30mV)			
Load resistance [R _L]	10kΩ			
Output linearity	≤ ±1% (Typ ±0.5%)			
Response time	≤ 5μs (at di/dt=I _f /μs) (Typ 2.5μs)			
Response performance	≤ 10%			
Hysteresis voltage range	≤ 30mV (+I _f ⇒ 0A)			
Output Temp. Coef.	≤ ±0.1%/°C (Typ < ±0.05%/°C)			
Residual output Temp. Coef.	≤ ±2mV/°C (Typ < ±1.2mV/°C)			
Control power supply [V _c]	±15V±5%			
Consumption current	≤ 30mA (Typ 20mA)			
Operating Temp.	-40°C ~ +80°C			
Storage Temp.	-40°C ~ +85°C			
Dielectric withstand voltage	2500V AC 50/60Hz 1minute (Sensing current 0.5mA)			
Insulation resistance	≥ 500MΩ (at 500V DC)			