

## HC-PRD series

\*Control power supply specification:  $\pm 12V$

Type	HC-PRD25V4B12	HC-PRD30V4B12	HC-PRD35V4B12	HC-PRD40V4B12	HC-PRD45V4B12	HC-PRD50V4B12
Rated current [If]	$\pm 25A$	$\pm 30A$	$\pm 35A$	$\pm 40A$	$\pm 45A$	$\pm 50A$
Continuously flowing DC current	$\pm 35A$	$\pm 35A$	$\pm 35A$	$\pm 35A$	$\pm 35A$	$\pm 35A$
Saturation current [Is]	$\pm 56.25A$	$\pm 67.5A$	$\pm 78.75A$	$\pm 90A$	$\pm 90A$	$\pm 90A$
Linearity limits	$0 \sim \pm 56.25A$	$0 \sim \pm 67.5A$	$0 \sim \pm 75A$	$0 \sim \pm 75A$	$0 \sim \pm 75A$	$0 \sim \pm 75A$
Size of primary winding	$\square 1 \times 2$					
Turns	1					
Rated output [Vh]	+If	$V0+4V \pm 1.5\% (RL=10k\Omega)$				
	-If	$V0-4V \pm 1.5\% (RL=10k\Omega)$				
Residual output [V0]	Within $\pm 100mV$					
Output linearity	Within $\pm 1\%$					
Response time	Within $10 \mu s$ (at $di/dt=If/\mu s$ )					
Response performance	Within 10%					
Hysteresis Voltage range	Within 120mV					
Output Temp. Coef.	Within $\pm 0.1\%/^{\circ}C$					
Residual output Temp. Coef.	Within $\pm 3mV/^{\circ}C$					
Control power supply	$\pm 12V \pm 5\%$					
Consumption current	Within 40mA					
Operating Temp.	$-10^{\circ}C \sim +80^{\circ}C$					
Strage Temp.	$-15^{\circ}C \sim +85^{\circ}C$					
Dielectric withstand voltage	2500V AC 50/60Hz 1minute					
Insulation resistance	Not less than $500M\Omega$ 500V DC					