

HC-PDN series

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

Type	HC-PDN05V4B12	HC-PDN10V4B12	HC-PDN20V4B12	HC-PDN30V4B12	HC-PDN40V4B12	HC-PDN50V4B12
Rated current [If]	$\pm 5A$	$\pm 10A$	$\pm 20A$	$\pm 30A$	$\pm 40A$	$\pm 50A$
Continuously flowing DC current	$\pm 8.8A$	$\pm 23.3A$	$\pm 23.3A$	$\pm 35.4A$	$\pm 35.4A$	$\pm 35.4A$
Saturation current [Is]	$\pm 11.25A$	$\pm 22.5A$	$\pm 45A$	$\pm 67.5A$	$\pm 90A$	$\pm 90A$
Linearity limits	$0 \sim \pm 11.25A$	$0 \sim \pm 22.5A$	$0 \sim \pm 37.5A$	$0 \sim \pm 67.5A$	$0 \sim \pm 75A$	$0 \sim \pm 75A$
Size of primary winding	$\phi 0.8$	$\phi 1.3$	$\phi 1.3$	$\phi 1.6$	$\phi 1.6$	$\phi 1.6$
Turns	6	3	2	1	1	1
Rated output [Vh]	$\pm 4V \pm 2\%$ (RL=10k Ω)					
Residual output [V0]	Within $\pm 100mV$					
Output linearity	Within $\pm 1\%$					
Response time	Within 10 μs (at di/dt=If/ μs)					
Response performance	Within 10%					
Hysteresis Voltage range	Within 100mV					
Output Temp. Coef.	Within $\pm 0.1\%/^{\circ}C$					
Residual output Temp. Coef.	Within $\pm 6mV/^{\circ}C$					
Control power supply	$\pm 12V \pm 5\%$					
Consumption current	Within 30mA					
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 Ω 500V DC					