

HC-PSG series

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

Type	HC-PSG01V4B12	HC-PSG03V4B12	HC-PSG05V4B12	HC-PSG10V4B12	HC-PSG15V4B12	HC-PSG20V4B12
Rated current [If]	$\pm 1A$	$\pm 3A$	$\pm 5A$	$\pm 10A$	$\pm 15A$	$\pm 20A$
Continuously flowing DC current	$\pm 2.2A$	$\pm 8.8A$	$\pm 8.8A$	$\pm 13.8A$	$\pm 13.8A$	$\pm 23.3A$
Saturation current [Is]	$\pm 2.25A$	$\pm 6.75A$	$\pm 11.25A$	$\pm 22.5A$	$\pm 33.75A$	$\pm 45A$
Linearity limits	$0 \sim \pm 2.25A$	$0 \sim \pm 6.75A$	$0 \sim \pm 11.25A$	$0 \sim \pm 22.5A$	$0 \sim \pm 33.75A$	$0 \sim \pm 37.5A$
Size of primary winding	$\phi 0.4$	$\phi 0.8$	$\phi 0.8$	$\phi 1.0$	$\phi 1.0$	$\phi 1.3$
Turns	30	10	6	3	2	2
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					

HC-PSG series

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

Type	HC-PSG25V4B12	HC-PSG30V4B12	HC-PSG35V4B12	HC-PSG40V4B12	HC-PSG45V4B12	HC-PSG50V4B12
Rated current [If]	$\pm 25A$	$\pm 30A$	$\pm 35A$	$\pm 40A$	$\pm 45A$	$\pm 50A$
Continuously flowing DC current	$\pm 33.4A$	$\pm 33.4A$	$\pm 33.4A$	$\pm 33.4A$	$\pm 33.4A$	$\pm 54.1A$
Saturation current [Is]	$\pm 45A$	$\pm 67.5A$	$\pm 78.75A$	$\pm 90A$	$\pm 90A$	$\pm 90A$
Linearity limits	$0 \sim \pm 37.5A$	$0 \sim \pm 67.5A$	$0 \sim \pm 75A$	$0 \sim \pm 75A$	$0 \sim \pm 75A$	$0 \sim \pm 75A$
Size of primary winding	$\phi 1.1 \times 2$	$\phi 1.1 \times 2$	$\phi 1.1 \times 2$	$\phi 1.1 \times 2$	$\phi 1.1 \times 2$	$\phi 1.4 \times 2$
Turns	2	1	1	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					