

HC-SN series

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

Type	HC-SN050V4B12	HC-SN100V4B12	HC-SN150V4B12	HC-SN200V4B12	HC-SN250V4B12	HC-SN300V4B12	HC-SN350V4B12	HC-SN400V4B12
Rated current [If]	± 50A	± 100A	± 150A	± 200A	± 250A	± 300A	± 350A	± 400A
Saturation current [Is]	± 113A	± 225A	± 338A	± 450A	± 563A	± 675A	± 788A	± 900A
Linearity limits	0 ~ ± 113A	0 ~ ± 225A	0 ~ ± 338A	0 ~ ± 450A	0 ~ ± 563A	0 ~ ± 450A	0 ~ ± 788A	0 ~ ± 900A
Rated output [Vh]	±4V±1.5% (RL=10kΩ)	±4V±1% (RL=10kΩ)						
Residual output [V0]	Within ±50mV	Within ±30mV						
Output linearity	Within ±1%							
Response time	Within 10 μ s (The smaller one on either at di/dt=100A/ μ s or If/ μ s.)							
Response performance	Within 10%							
Hysteresis Voltage range	Within 30mV							
Output Temp. Coef.	Within ±0.1%/°C							
Residual output Temp. Coef.	Within ±3mV/°C	Within ±1.5mV/°C				Within ±1mV/°C		
Control power supply	±12V±5%							
Consumption current	Within 30mA							
Operating Temp.	-10°C~+80°C							
Strage Temp.	-15°C~+85°C							
Dielectric withstand voltage	2500V AC 50/60Hz 1minute							
Insulation resistance	Not less than 500MΩ 500V DC							

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Type	HC-SN450V4B12	HC-SN500V4B12	HC-SN550V4B12	HC-SN600V4B12	HC-SN650V4B12	HC-SN700V4B12	HC-SN750V4B12	HC-SN800V4B12
Rated current [If]	$\pm 450A$	$\pm 500A$	$\pm 550A$	$\pm 600A$	$\pm 650A$	$\pm 700A$	$\pm 750A$	$\pm 800A$
Saturation current [Is]	$\pm 1000A$	$\pm 1000A$	$\pm 1000A$	$\pm 1000A$	$\pm 1000A$	$\pm 1000A$	$\pm 1000A$	$\pm 1000A$
Linearity limits	$0 \sim \pm 900A$	$0 \sim \pm 900A$	$0 \sim \pm 900A$	$0 \sim \pm 900A$	$0 \sim \pm 900A$	$0 \sim \pm 900A$	$0 \sim \pm 900A$	$0 \sim \pm 900A$
Rated output [Vh]	$\pm 4V \pm 1\%$ (RL=10k Ω)							
Residual output [V0]	Within $\pm 30mV$							
Output linearity	Within $\pm 1\%$							
Response time	Within 10 μs (The smaller one on either at $di/dt=100A/\mu s$ or $I_f/\mu s$.)							
Response performance	Within 10%							
Hysteresis Voltage range	Within 30mV							
Output Temp. Coef.	Within $\pm 0.1\%/^{\circ}C$							
Residual output Temp. Coef.	Within $\pm 1mV/^{\circ}C$							
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							