

# HC-TF series

\*Control power supply specification:  $\pm 15V$

Type	HC-TF050V4B15	HC-TF100V4B15	HC-TF200V4B15	HC-TF300V4B15	HC-TF400V4B15	HC-TF500V4B15	HC-TF600V4B15H	
Rated current [If]	$\pm 50A$	$\pm 100A$	$\pm 200A$	$\pm 300A$	$\pm 400A$	$\pm 500A$	$\pm 600A$	
Saturation current [Is]	$\pm 150A$	$\pm 300A$	$\pm 600A$	$\pm 900A$	$\pm 1000A$	$\pm 1000A$	$\pm 1800A$	
Linearity limits [If]	$0 \sim \pm 150A$	$0 \sim \pm 300A$	$0 \sim \pm 600A$	$0 \sim \pm 700A$	$0 \sim \pm 800A$	$0 \sim \pm 800A$	$0 \sim \pm 1800A$	
Rated output [Vh]	+If	$V0+4V \pm 1\% (RL=10k \Omega)$					$V0+4V \pm 2\% (RL=10k \Omega)$	
	-If	$V0-4V \pm 1\% (RL=10k \Omega)$					$V0-4V \pm 2\% (RL=10k \Omega)$	
Residual output [V0]	Within $\pm 70mV$	Within $\pm 50mV$						
Output linearity	Within $\pm 1\%$							
Response time	Within $10 \mu s$ (The smaller one on either at $di/dt = 100A/\mu s$ or $If/\mu s$ .)							
Response performance	Within $10\%$							
Hysteresis Voltage range	Within $30mV$							
Output Temp. Coef.	Within $\pm 0.1\%/^{\circ}C$							
Residual output Temp. Coef.	Within $\pm 3mV/^{\circ}C$	Within $\pm 1.5mV/^{\circ}C$	Within $\pm 1mV/^{\circ}C$					
Control power supply	$\pm 15V \pm 5\%$							
Consumption current	Within $30mA$							
Operating Temp.	$-10^{\circ}C \sim +80^{\circ}C$							
Storage 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							

## HC-TF series

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Type	HC-TF700V4B15H	HC-TF800V4B15H	HC-TF900V4B15H	HC-TFE10V4B15H	HC-TFE12V4B15H	HC-TFE14V4B15H	HC-TFE16V4B15H
Rated current [If]	$\pm 700A$	$\pm 800A$	$\pm 900A$	$\pm 1000A$	$\pm 1200A$	$\pm 1400A$	$\pm 1600A$
Saturation current [Is]	$\pm 2100A$	$\pm 2400A$	$\pm 2700A$	$\pm 2700A$	$\pm 2700A$	$\pm 2700A$	$\pm 2700A$
Linearity limits [If]	$0 \sim \pm 2100A$	$0 \sim \pm 2200A$	$0 \sim \pm 2200A$	$0 \sim \pm 2200A$	$0 \sim \pm 2200A$	$0 \sim \pm 2200A$	$0 \sim \pm 2200A$
Rated output [Vh]	+If	$V_0 + 4V \pm 2\%$ ( $R_L = 10k\Omega$ )					
	-If	$V_0 - 4V \pm 2\%$ ( $R_L = 10k\Omega$ )					
Residual output [V0]	Within $\pm 50mV$						
Output linearity	Within $\pm 1\%$						
Response time	Within $10\mu s$ (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	$\pm 15V \pm 5\%$						
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 $500M\Omega$ 500V DC						