## HC-TF series

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

Туре		HC-TF050V4B15	HC-TF100V4B15	HC-TF200V4B15	HC-TF300V4B15	HC-TF400V4B15	HC-TF500V4B15	HC-TF600V4B15H		
Rated current [If]		±50A	±100A	±200A	±300A	±400A	±500A	±600A		
Saturation current [Is]		±150A	±300A	±600A	±900A	±1000A	±1000A	±1800A		
Linearity limits [If]		0~±150A	0~±300A	0~±600A	0~±700A	0~±800A	0~±800A	0~±1800A		
Rated output [Vh]	+If	$V0+4V\pm 1\%$ (RL=10k $\Omega$ )								
	-If	V0-4V $\pm$ 1% (RL=10k $\Omega$ )								
Residual output [V0]		Within ±70mV Within ±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 $\pm 0.1\%$ °C								
Residual output Temp. Coef.		Within $\pm 3$ mV/°C	Within $\pm 1.5 \text{mV/}^{\circ}\text{C}$	5mV/°C Within ±1mV/°C						
Control power supply		$\pm 15V \pm 5\%$								
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 500M $\Omega$ 500V DC								

## HC-TF series

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

Rated current [If] $\pm$ 700A $\pm$ 800A $\pm$ 900A $\pm$ 1000A $\pm$ 1200A $\pm$ 1400A $\pm$ 160Saturation current [Is] $\pm$ 2100A $\pm$ 2400A $\pm$ 2700A $\pm$ 270A $\pm$ 2700A <th></th> <th>-</th> <th></th> <th></th> <th>[</th> <th></th> <th></th> <th>[</th> <th></th>		-			[			[			
Saturation current [Is] $\pm 2100A$ $\pm 2400A$ $\pm 2700A$ <th< td=""><td colspan="2">Туре</td><td>HC-TF700V4B15H</td><td>HC-TF800V4B15H</td><td>HC-TF900V4B15H</td><td>HC-TFE10V4B15H</td><td>HC-TFE12V4B15H</td><td>HC-TFE14V4B15H</td><td>HC-TFE16V4B15H</td></th<>	Туре		HC-TF700V4B15H	HC-TF800V4B15H	HC-TF900V4B15H	HC-TFE10V4B15H	HC-TFE12V4B15H	HC-TFE14V4B15H	HC-TFE16V4B15H		
$\begin{tabular}{ c c c c c } \hline $Linearity limits [If] & $0 \sim \pm 2100A$ & $0 \sim \pm 2200A$ & $0 \sim$	Rated current [If]		±700A	±800A	±900A	±1000A	±1200A	±1400A	±1600A		
Rated output [Vh]    +If    V0+4V±2% (RL=10k Ω)      -If    V0-4V±2% (RL=10k Ω)      Residual output [V0]    Within ±50mV      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 ±1mV/°C      Consumption current    Within 30mA      Operating Temp.    -10°C~+80°C	Saturation current [Is]		±2100A	±2400A	±2700A	±2700A	±2700A	±2700A	±2700A		
Rated output [Vh] If   If  V0-4V±2% (RL=10k Ω)    Residual output [Vo]  Within ±50mV    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 μ s (The smaller one on either at di/dt = 100A/ μ s or If/ μ s.)    Response performance  Within 10 μ s (The smaller one on either at di/dt = 100A/ μ s or If/ μ s.)    Response performance  Within 10 μ s (The smaller one on either at di/dt = 100A/ μ s or If/ μ s.)    Response performance  Within 10 μ s (The smaller one on either at di/dt = 100A/ μ s or If/ μ s.)    Response performance  Within 10 μ s (The smaller one on either at di/dt = 100A/ μ s or If/ μ s.)    Response performance  Within 10 μ s (The smaller one on either at di/dt = 100A/ μ s or If/ μ s.)    Response performance  Within 10 μ s (The smaller one on either at di/dt = 100A/ μ s or If/ μ s.)    Output Temp. Coef.  Within 10 μ s (The smaller one on either at 11 mV/°C    Constrol power suply  ±15V±5%    Consumption current  Within 30mA    Operating Temp.  -10°C ~+80°C	Linearity limits [If]		0∼±2100A	0~±2200A	0∼±2200A	0 <b>~</b> ±2200A	0~±2200A	0~±2200A	0~±2200A		
-If    V0-4V±2% (RL=10k Ω)      Residual output [V0]    Within ±50mV      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 ±15V±5%      Control power supply    ±15V±5%      Operating Temp.    -10°C~+80°C	Rated output [Vh]	+If	V0+4V $\pm$ 2% (RL=10k $\Omega$ )								
Output linearityWithin ±1%Response timeWithin 10 μ s (The smaller one on either at di/dt = 100A/ μ s or lf/ μ s.)Response performanceWithin 10%Hysteresis Voltage rangeWithin 30mVOutput Temp. Coef.Within ±0.1%/°CResidual output Temp. Coef.Within ±1mV/°CControl power supply±15V±5%Consumption currentWithin 30mAOperating Temp10°C~+80°C		–If	V0-4V±2% (RL=10kΩ)								
Response time    Within 10 μ s (The smaller one on either at di/dt = 100A/ μ s or lf/ μ s.)      Response performance    Within 10%      Hysteresis Voltage range    Within 30mV      Output Temp. Coef.    Within ±0.1%/°C      Residual output Temp. Coef.    Within ±1mV/°C      Control power supply    ±15V±5%      Consumption current    Within 30mA      Operating Temp.    -10°C~+80°C	Residual output [V0]		Within $\pm 50 \text{mV}$								
Response performance    Within 10%      Hysteresis Voltage range    Within 30mV      Output Temp. Coef.    Within ±0.1%/°C      Residual output Temp. Coef.    Within ±1mV/°C      Control power supply    ±15V±5%      Consumption current    Within 30mA      Operating Temp.    -10°C~+80°C	Output linearity		Within $\pm 1\%$								
Hysteresis Voltage range    Within 30mV      Output Temp. Coef.    Within ±0.1%/°C      Residual output Temp. Coef.    Within ±1mV/°C      Control power supply    ±15V±5%      Consumption current    Within 30mA      Operating Temp.    -10°C~+80°C	Response time		Within 10 $\mu$ s (The smaller one on either at di/dt = 100A/ $\mu$ s or If/ $\mu$ s.)								
Output Temp. Coef.  Within ±0.1%/°C    Residual output Temp. Coef.  Within ±1mV/°C    Control power supply  ±15V±5%    Consumption current  Within 30mA    Operating Temp.  -10°C ~+80°C	Response performance		Within 10%								
Residual output Temp. Coef.  Within ±1mV/°C    Control power supply  ±15V±5%    Consumption current  Within 30mA    Operating Temp.  -10°C~+80°C	Hysteresis Voltage range		Within 30mV								
Control power supply  ±15V±5%    Consumption current  Within 30mA    Operating Temp.  -10°C~+80°C	Output Temp. Coef.		Within $\pm 0.1\%$ /°C								
Consumption current  Within 30mA    Operating Temp.  -10°C ~+80°C	Residual output Temp. Coef.		Within $\pm 1 \text{mV/}^{\circ}\text{C}$								
Operating Temp.  -10°C ~+80°C	Control power supply		$\pm 15V \pm 5\%$								
	Consumption current		Within 30mA								
Strage Temp. $-15^{\circ}C \sim +85^{\circ}C$	Operating Temp.		−10°C~+80°C								
	Strage Temp.		−15°C~+85°C								
Dielectric withstand voltage 2500V AC 50/60Hz 1minute	Dielectric withstand voltage		2500V AC 50/60Hz 1minute								
Insulation resistance Not less than 500M Ω 500V DC	Insulation resistance		Not less than 500M $\Omega$ 500V DC								