

HC-TTB



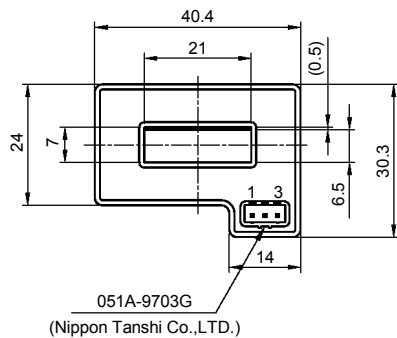
- Rated current 300A ~ 900A
- Potted products
- Superior noise-resistance
- Built-in wire break detector enables detection of broken GND connection

Applications

Inverters, Servo drivers, Power supply equipment, Uninterruptible power supply (UPS), NC machine tools, Welders

Dimensions

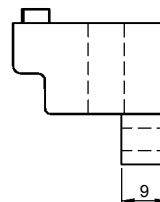
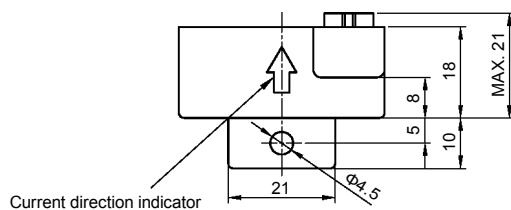
(mm)



Conformable housing and pin
0520-9103 and 17528-M5 (Nippon Tanshi Co.,LTD.)

Terminal No. 1 - (+) terminal
2 - Output
3 - GND

Weight : 47g



General tolerance: ±0.5

Specification

Ta=25°C

Type	HC-TTB300V2PP5	HC-TTB600V2PP5	HC-TTB900V2PP5
Rated current [If]	±300A	±600A	±900A
Saturation current [Is]	±330A	±660A	±990A
Linearity limits	0~±300A	0~±600A	0~±900A
Rated output [Vh]	V0±2V±50mV (RL=10kΩ)		
Residual output [V0]	Within Vcc/2±50mV		
Output linearity	Within ±1%		
Response time	Within 10μs (at di/dt=100A/μs)		
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 [Vcc]	+5V±5%		
Consumption current	Within 30mA		
Operating Temp.	-10°C~+80°C		
Storage Temp.	-15°C~+85°C		
Dielectric withstand voltage	2500V AC 50/60Hz 1minute		
Insulation resistance	Not less than 500MΩ 500V DC		

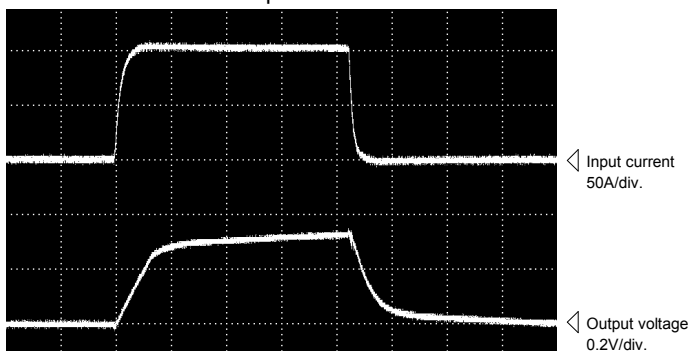
- Note1) The indicated residual voltage is the one after the core hysteresis is removed.
 Note2) Energization time of saturation current shall be within 1 second.
 Note3) Energization time of continuous live DC current x150% shall be within 1 minute.
 Note4) Output is +4.8 V or greater when GND line is disconnected.

Characteristics chart

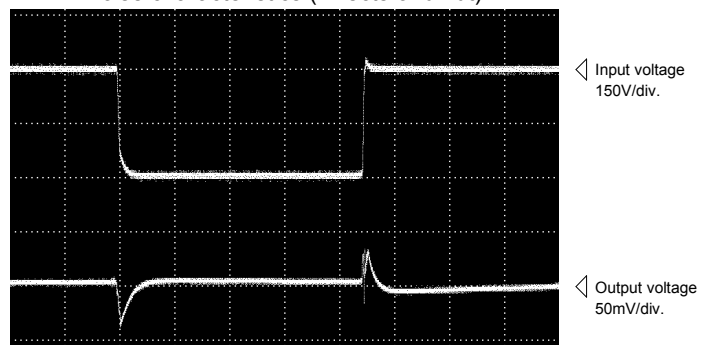
HC-TTB600V2PP5

5μs/div. Time base

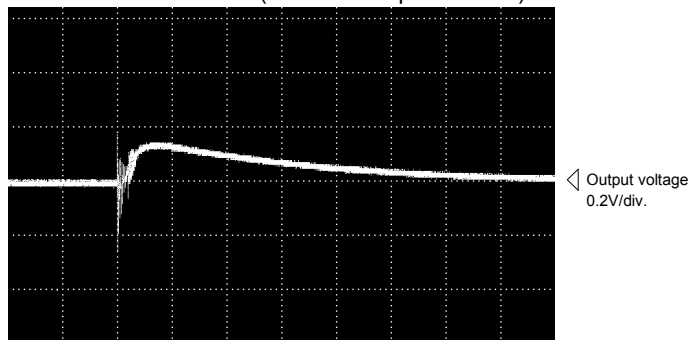
Pulse current response characteristic



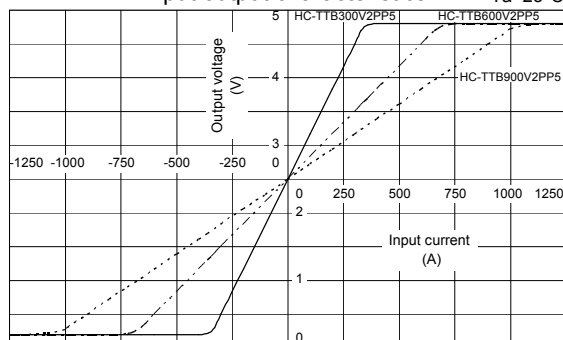
Noise characteristics (Effects of dv/dt)



Noise characteristics (Effects of impulse noise)



Input/output characteristics Ta=25°C



Note: The marks "◁" means 0V or 0A.