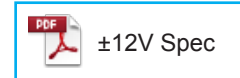
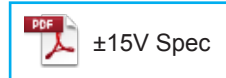


HC-PSE



- Rated current 5A ~ 50A
- Well isolated for European Standards
- Superior noise-resistance
- Single-power supplies also available
- For additional ±15V and ±12V products, contact sales@dgseals.com or click below

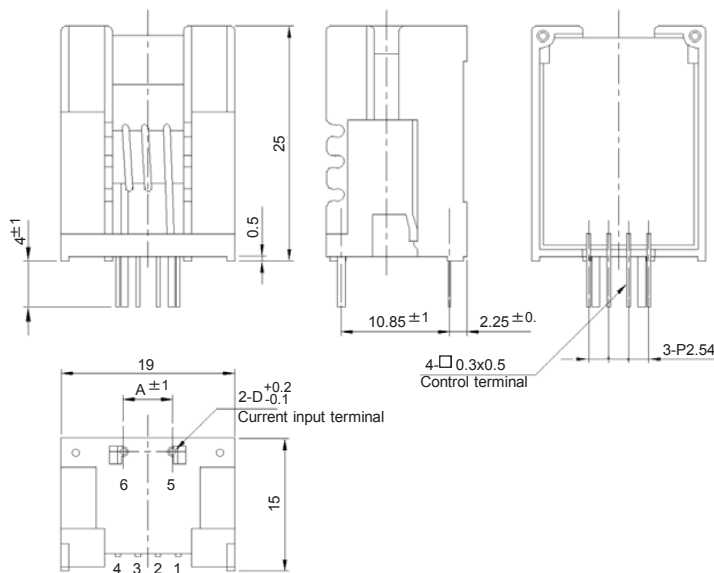


Applications

Inverters, Servo drivers, Power supply equipment, Uninterruptible power supply (UPS)

Dimensions

(mm)



Dimensions of Current Input Terminals

| Size of primary winding | Width D | Width A |
|-------------------------|---------|---------|
| Φ0.8 | Φ0.8 | 5.7 |
| Φ1.0 | Φ1.0 | 5.7 |
| Φ1.3 | Φ1.3 | 5.7 |
| Φ1.6 | Φ1.6 | 5.2 |

- Terminal No.
- 1 - (-) terminal
 - 2 - GND
 - 3 - (+) terminal
 - 4 - Output
 - 5 - (+) input
 - 6 - (-) input

Weight : 8g

General tolerance: ±0.5

Specification

Ta=25°C

| Type | HC-PSE05V4B15 | HC-PSE10V4B15 | HC-PSE20V4B15 | HC-PSE30V4B15 | HC-PSE50V4B15 |
|---------------------------------|------------------------------|---------------|---------------|---------------|---------------|
| Rated current [If] | ±5A | ±10A | ±20A | ±30A | ±50A |
| Continuously flowing DC current | ±8.8A | ±13.8A | ±23.3A | ±23.3A | ±35.4A |
| Saturation current [Is] | ±15A | ±30A | ±45A | ±90A | ±90A |
| Linearity limits | 0~±12.5A | 0~±25A | 0~±37.5A | 0~±75A | 0~±75A |
| Size of primary winding | Φ0.8 | Φ1.0 | Φ1.3 | Φ1.3 | Φ1.6 |
| Turns | 6 | 3 | 2 | 1 | 1 |
| Rated output [Vh] | ±4V±2% (RL=10kΩ) | | | | |
| Residual output [Vo] | Within ±100mV | | | | |
| Output linearity | Within ±1% | | | | |
| Response time | Within 10μs (at di/dt=If/μs) | | | | |
| Response performance | Within 10% | | | | |
| Hysteresis voltage range | Within 100mV | | | | |
| Output Temp. Coef. | Within ±0.1%/°C | | | | |
| Residual output Temp. Coef. | Within ±6mV/°C | | | | |
| Control power supply | ±15V±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 | | | | |

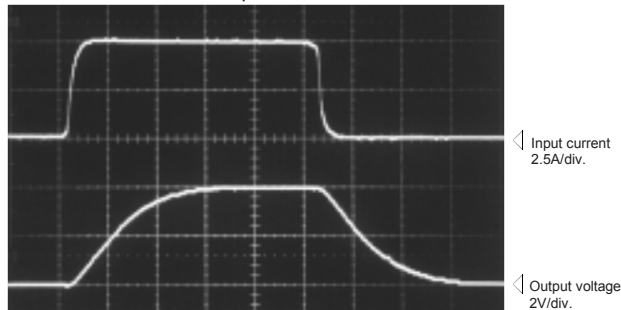
Note1) The indicated residual output is the one after the core hysteresis is removed.

Characteristics chart

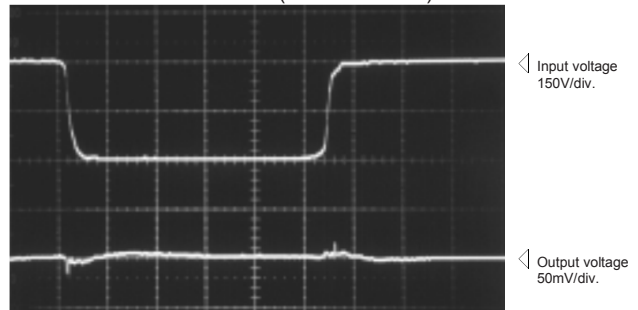
HC-PSE05V4B15

Time base: 5μs/div.

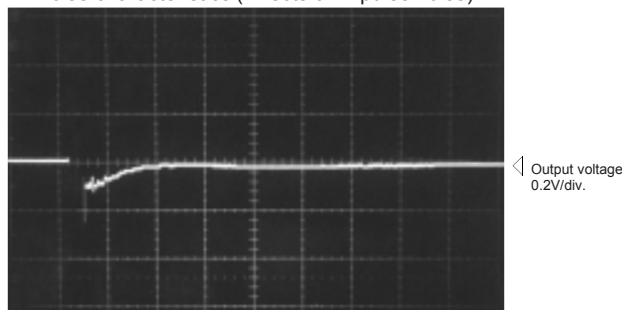
Pulse current response characteristic



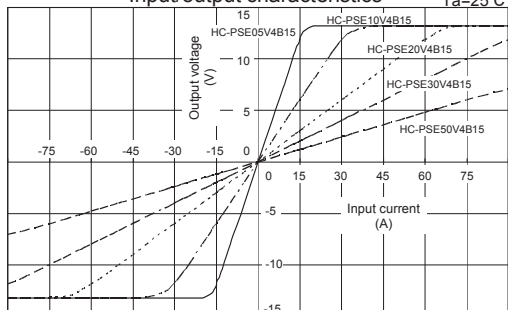
Noise characteristics (Effects of dv/dt)



Noise characteristics (Effects of impulse noise)



Input/output characteristics



Note: The marks "◁" means 0V or 0A.