

NV Series

Wide Sensing Range, Bolt On Type

Rated current

$\pm 50\text{A} \sim \pm 700\text{A}$

Feature

- Very Wide Sensing Range ($\pm 1200\text{A}$)
- Low power consumption
- Low Temp. Coef.

Application

- Power supply system



Specification

Parameter \ Type Ex.	NV-450V2S5
Rated Current	$\pm 450\text{A}$
Power Supply Voltage	$+5\text{V} \pm 5\%$
Offset Voltage	$+2.5 \pm 0.04\text{V} (@25^\circ\text{C})$
Offset Voltage Temperature Coefficient	$< \pm 2.0\text{mV}/^\circ\text{C}$
Gain Voltage	$\pm 2.0 \pm 0.04\text{V} (@25^\circ\text{C})$
Gain Voltage Temperature Coefficient	$< \pm 0.1\%/^\circ\text{C}$
Hysteresis Voltage	$< \pm 0.010\text{V}$
Output Linearity	$< \pm 1.0\%$
Response Time	$< 10\mu\text{s} (di/dt = 100\text{A}/\mu\text{s})$
Insulation Voltage	2.5kVAC (50/60Hz, 1 minute)
Insulation Resistance	500M Ω (DC500V)
Ambient Operating Temp.	$-40^\circ\text{C} \sim +125^\circ\text{C}$ (Without Connector)
Dimensions (W × D × H)	40.0 × 30.0 × 29.0mm

※Both power supplies voltage also available.