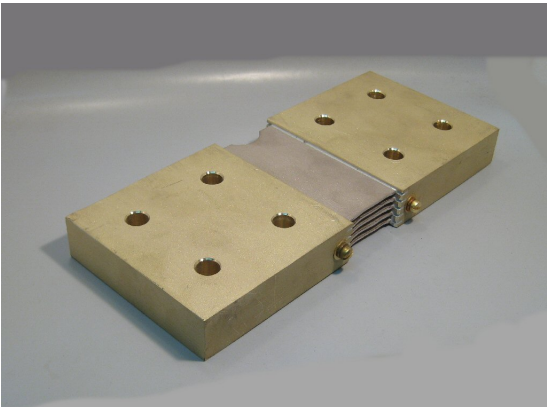


精密シャント

PRECISION CURRENT SHUNT

NSE1500, NSE2000

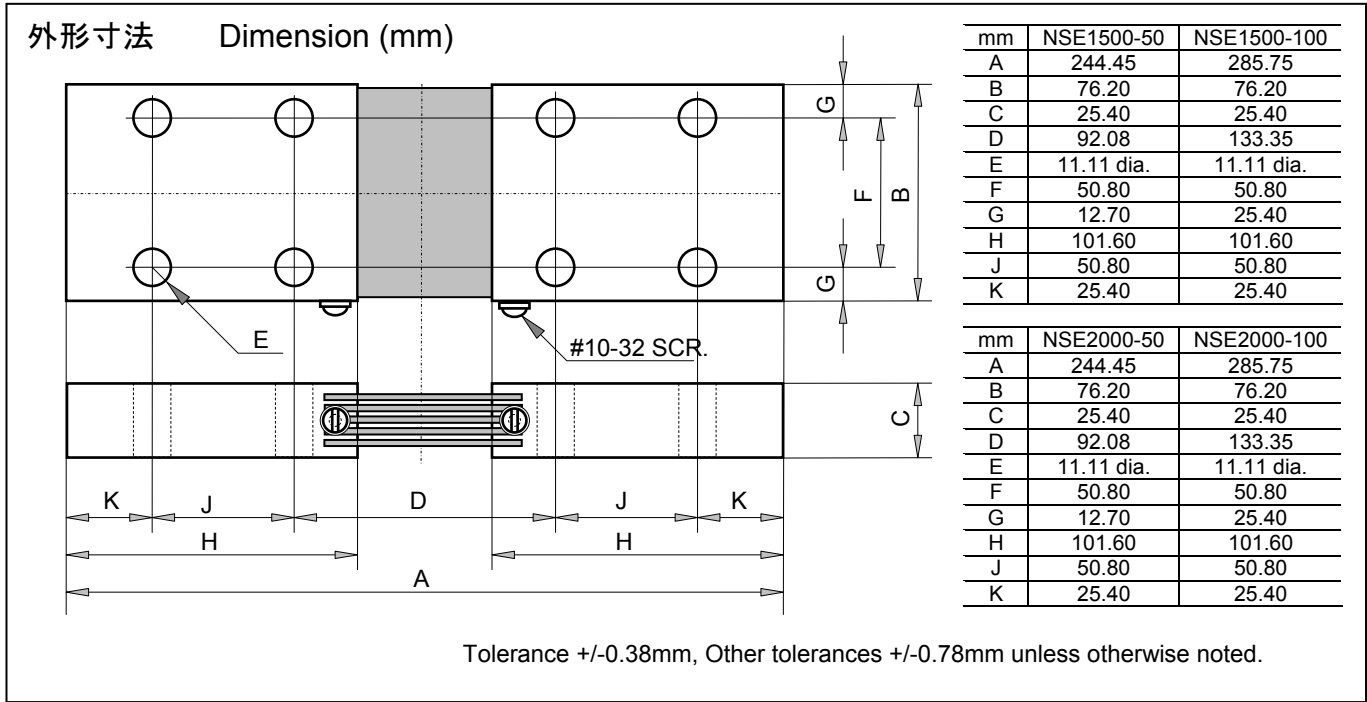


特長・用途

電流標準として使用できる±0.25%級精密シャント。  
 優れた、長期間安定性、熱起電力、温度依存性。  
 電流端子はそのままバスに接続し、電圧端子は絶縁被覆ケーブルで電流計測器に接続できる簡単な構造。  
 NSA シリーズ電流シャントは、米計測標準研究所標準への校正追跡性があります。  
 高精度の電源、高速充電装置、電力変換機器、パワーコンバータ、電流計測機器。

Features and Applications

Large current shunt for ampere-meters, designed for power electric equipment.  
 Excellent long-term stability, low emf and low TCR.  
 Easy current measurement is performed by attaching to current bus directory and connecting to ampere-meter through flexible wires.  
 All of shunts are calibrated on equipment with current certifications traceable to US-N.I.S.T  
 For high precision power supply, EV charger, power converters, and current measurement instruments.



品目呼称 Ordering Information

Style NSE	Rated Current in A 1500	Voltage in mV -50mV	Tolerance C	Code Z00
NSE	1500 2000	-50mV (-60) option -100mV	C(+/-0.25%)	Z00

- (1) Accuracy will be assure B(+/-0.1%) in option.
- (2) Recommended operation current shall be decreased 2/3 of their rated current.

## 精密シャント PRECISION CURRENT SHUNT NSE1500, NSE2000

### 性能・仕様 Specification and Performance

	NSE1500-50mV	NSE1500-100mV	NSE2000-50mV	NSE2000-100mV
定格電流 (A)	1500A	1500A	2000A	2000A
動作電流 (A)	1000A	1000A	1330A	1330A
定格出力 (mV)	50mV (60mV option)	100mV	50mV (60mV option)	100mV
重量 (Kg)	---	---	---	---
換算抵抗値(milliohms)	Resistance is based on the amperage and millivolt rating, nominal resistance is calculated using Ohms law.			
電圧許容差 (%)	+/-0.25%(C)			
動作温度範囲 (deg C)	+30 to +70 deg C measured at center of Manganin strips			
保存温度範囲 (deg C)	-55 to +80 deg C			

The way to reduce the operating temperature, such as forced air, increasing physical size, adding heat sink to the blocks, designing for water cooling, and etc.

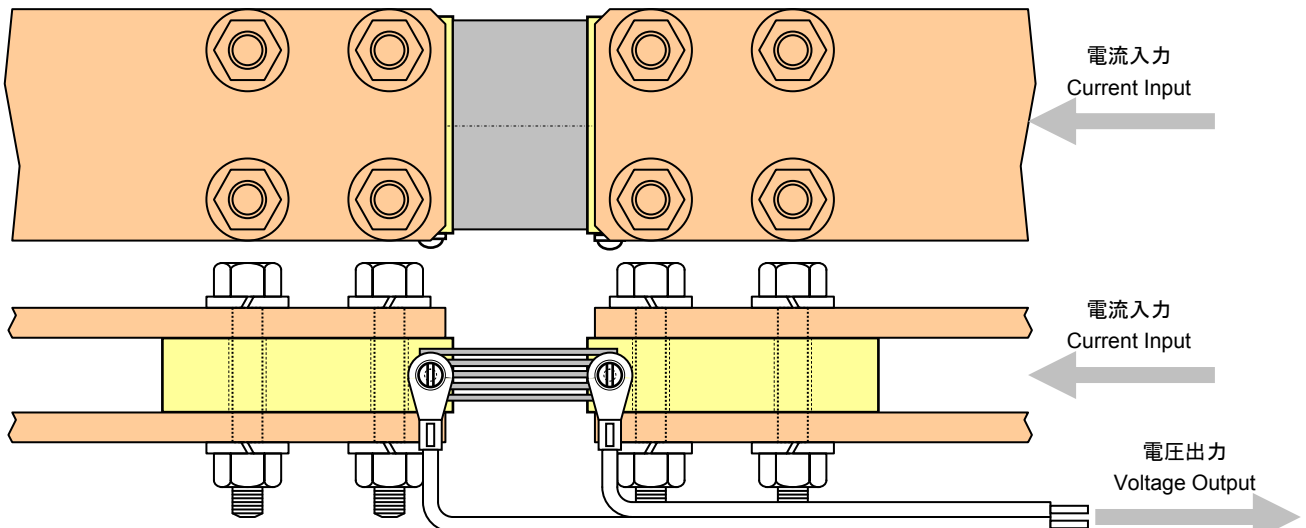
	milliohms
NSE1500-50mV	0.03333
NSE1500-100mV	0.06667
	milliohms
NSE2000-50mV	0.02500
NSE2000-100mV	0.05000

Resistance (milliohm) calculated from the V-I characteristic.

Thickness (mm)	Width (mm)	Current (A) at 30 deg C Temp. Rise	Current (A) at 65 deg C temp. Rise
3	25	230	362
4	25	290	456
4	50	510	802
5	25	340	535
5	50	610	960
6	25	380	598
6	30	430	675
6	40	550	865
6	50	680	1070
6	75	940	1479
6	100	1200	1888
6	125	1440	2265
6	150	1680	2643
8	50	800	1258
8	75	1100	1730
8	100	1400	2202
8	125	1650	2595
8	150	1930	3036
10	50	880	1384
10	75	1220	1919
10	100	1540	2422

### 使用法 Applications

### Current capacity of copper bus bar, JSIA



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