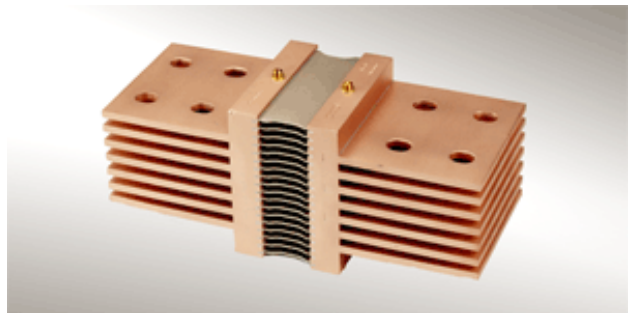


PRECISION CURRENT SHUNTS

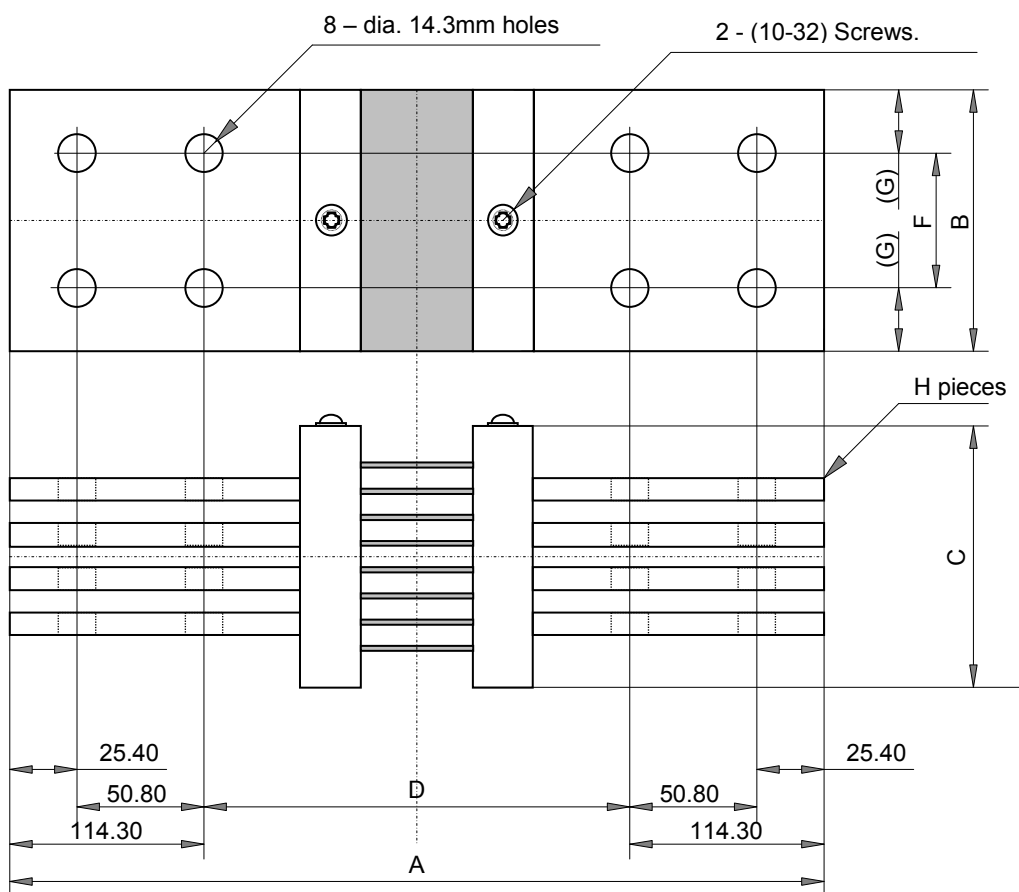
NSF3000, NSF4000, NSF5000
 NSF6000, NSF7000, NSF8000
 NSF9000, NSF10000



Features and Applications

- Large current shunt resistors 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, power converters, and current measurement instruments.
- Requirement for over 10,000A shunts, please call factory.

Dimensions (mm)



Thickness and gap of terminal blades are equal as 6.35mm.

PRECISION CURRENT SHUNTS

NSF3000, NSF4000, NSF5000, NSF6000, NSF7000, NSF8000 NSF9000, NSF10000

Dimensions (mm)

mm	NSF3000 -50	NSF4000 -50	NSF5000 -50	NSF6000 -50	NSF7000 -50	NSF8000 -50	NSF9000 -50	NSF10000 -50
A	320.7	320.7	320.7	320.7	320.7	320.7	320.7	320.7
B	101.6	101.6	101.6	101.6	127.0	127.0	127.0	127.0
C	50.8	76.2	76.2	101.6	101.6	101.6	101.6	127.0
D	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3
E	181.9	181.9	181.9	232.7	232.7	232.7	232.7	232.7
F	50.8	50.8	50.8	50.8	63.5	63.5	63.5	63.5
G	25.4	25.4	25.4	25.4	31.8	31.8	31.8	31.8
H	3	4	4	5	5	6	6	7

mm	NSF3000 -100	NSF4000 -100	NSF5000 -100	NSF6000 -100	NSF7000 -100	NSF8000 -100	NSF9000 -100	NSF10000 -100
A	362.0	362.0	362.0	362.0	362.0	362.0	362.0	362.0
B	101.6	101.6	101.6	101.6	127.0	127.0	127.0	127.0
C	50.8	76.2	76.2	101.6	101.6	101.6	101.6	127.0
D	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6
E	181.9	181.9	181.9	232.7	232.7	232.7	232.7	232.7
F	50.8	50.8	50.8	50.8	63.5	63.5	63.5	63.5
G	25.4	25.4	25.4	25.4	31.8	31.8	31.8	31.8
H	3	4	4	5	5	6	6	7

Ordering Information

Style	Rated Current in A	Voltage in mV	Tolerance	Code
NSF	3000	-50	C	Z00
NSF	3000	-50	C(+/-0.25%)	Z00
	4000	-100	(1)	
	5000			
	6000			
	7000			
	8000			
	9000			
	10000			

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

Performances

	NSF3000	NSF4000	NSF5000	NSF6000	NSF7000	NSF8000	NSF9000	NSF10000
Rating Current (A)	3000	4000	5000	6000	7000	8000	9000	10000
Operating Current (A)	2000	2670	3330	4000	4670	5330	6000	6670
Output Volt. (mV)	50 or 100							
Cal. Resistance(mΩ)	Resistance is based on the amperage and millivolt rating, nominal resistance is calculated using Ohms law.							
Tolerance (%)	+/-0.25% (C)							
Operating Temp. (°C)	+30 to +70 deg C measured at center of manganin strips							
Storage Temp. (°C)	-55°C to + 80 °C							
Weight (Kg)	Please call factory							

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.

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