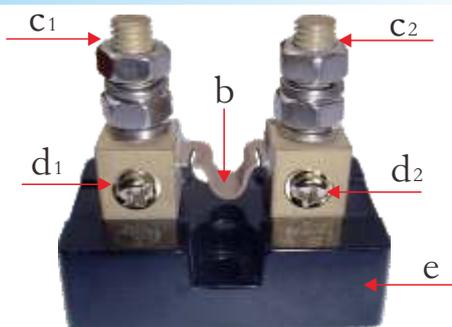




## Construction



## Features

- I High reliability
- II High over loading ability
- III Extremely low inductance

## Applications

- I Used for extending the current range of measure
- II Current balance or sampling for testing
- III Automation control to limit the current

b	Precision manganin
c <sub>1</sub> 、c <sub>2</sub>	Input terminal
d <sub>1</sub> 、d <sub>2</sub>	Output terminal
e	Base

## Ordering Information

Example	STL	100A	50mv	D	C	B	J
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
Type	Rated Current	Rated Drop	Resistance Tolerance	T.C.R	Packing	TOL	

(1) Type: STL Shunts

(2) Rated Current : 125=125A,100=100A,75=75A,50=50A,25=25A

(3) Rated Drop : 50= 50mV,60=60mV,70=70mV,100=100mV,150=150mV

(4) Resistance Tolerance : D= ± 0.5%,F= ± 1%

(5) T.C.R: C3= ± 25ppm,C4= ± 20ppm,C5= ± 15ppm

(6) Packing:B=bulk standard

(7) TOL:J= ± 0.2%

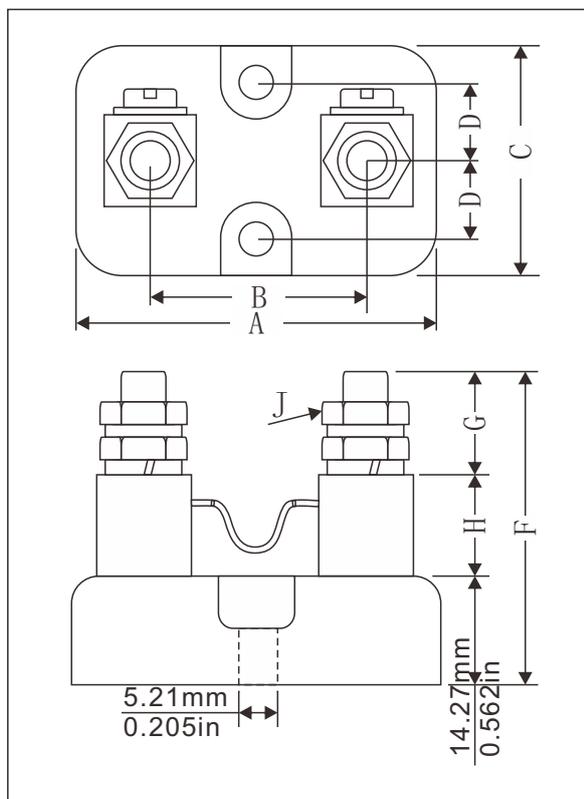
## Performance

Test Items	Test Methods(JIS C 5201-1)
Accuracy class	0.5
Ambient temperature&Relative humidity	-40~+60°C Relative Humidity ≤ 95%(at35°C )
Overload	Rating current120%,2h
Voltage outputs	50mv ,60mv ,75mv ,100mv ,150mv products are available
Surface temperature rise	not over than 80 °C within 50A, not exceed 120 °C if higher than 50A
Temperature coefficient	± 25x10 <sup>-6</sup> °C; ± 50x10 <sup>-6</sup> °C; ± 100x10 <sup>-6</sup> °C;

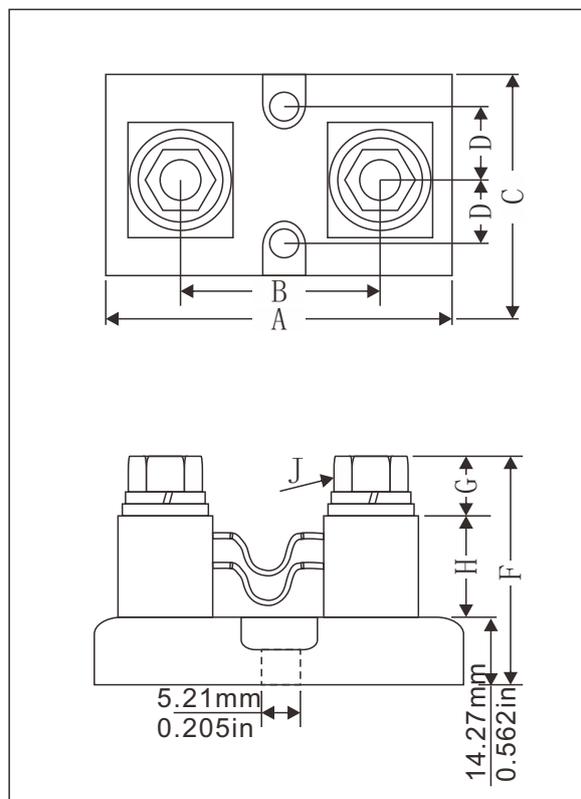
## Reference Standards

JISC 5201-1

## Dimensions



5A—150A



170A—1200A

规格型号	电流 (A)	A		B		C		D		F		G		H		J	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
STL-5-50	5	50.8	2	25.4	1	31.75	1.25	11.1	0.437	42.88	1.688	15.88	0.625	12.7	0.5	6.35*28	0.25*28
STL-10-50	10	50.8	2	25.4	1	31.75	1.25	11.1	0.437	42.88	1.688	15.88	0.625	12.7	0.5	6.35*28	0.25*28
STL-15-50	15	50.8	2	25.4	1	31.75	1.25	11.1	0.437	42.88	1.688	15.88	0.625	12.7	0.5	6.35*28	0.25*28
STL-23-50	20	50.8	2	25.4	1	31.75	1.25	11.1	0.437	42.88	1.688	15.88	0.625	12.7	0.5	6.35*28	0.25*28
STL-30-50	30	50.8	2	25.4	1	31.75	1.25	11.1	0.437	42.88	1.688	15.88	0.625	12.7	0.5	6.35*28	0.25*28
STL-50-50	50	50.8	2	25.4	1	31.75	1.25	11.1	0.437	42.88	1.688	15.88	0.625	12.7	0.5	6.35*28	0.25*28
STL-75-50	75	50.8	2	25.4	1	31.75	1.25	11.1	0.437	42.88	1.688	15.88	0.625	12.7	0.5	6.35*28	0.25*28
STL-80-50	80	50.8	2	25.4	1	31.75	1.25	11.1	0.437	42.88	1.688	15.88	0.625	12.7	0.5	6.35*28	0.25*28
STL-85-50	85	50.8	2	25.4	1	31.75	1.25	11.1	0.437	42.88	1.688	15.88	0.625	12.7	0.5	6.35*28	0.25*28
STL-100-50	100	50.8	2	25.4	1	31.75	1.25	11.1	0.437	42.88	1.688	15.88	0.625	12.7	0.5	6.35*28	0.25*28
STL-150-50	150	50.8	2	25.4	1	31.75	1.25	11.1	0.437	42.88	1.688	15.88	0.625	12.7	0.5	6.35*28	0.25*28
STL-170-50	170	82.55	3.25	38.1	1.5	44.45	1.75	15.88	0.625	44.45	1.75	11.13	0.438	19.05	0.75	9.53*16	0.25*28
STL-200-50	200	82.55	3.25	38.1	1.5	44.45	1.75	15.88	0.625	44.45	1.75	11.13	0.438	19.05	0.75	9.53*16×15.88	0.375*16×0.625
STL-250-50	250	82.55	3.25	38.1	1.5	44.45	1.75	15.88	0.625	44.45	1.75	11.13	0.438	19.05	0.75	9.53*16×15.88	0.375*16×0.625
STL-300-50	300	82.55	3.25	38.1	1.5	44.45	1.75	15.88	0.625	44.45	1.75	11.13	0.438	19.05	0.75	9.53*16×15.88	0.375*16×0.625
STL-400-50	400	82.55	3.25	38.1	1.5	44.45	1.75	15.88	0.625	44.45	1.75	11.13	0.438	19.05	0.75	9.53*16×15.88	0.375*16×0.625
STL-450-50	450	82.55	3.25	38.1	1.5	44.45	1.75	15.88	0.625	44.45	1.75	11.13	0.438	19.05	0.75	9.53*16×15.88	0.375*16×0.625
STL-500-50	500	82.55	3.25	38.1	1.5	44.45	1.75	15.88	0.625	44.45	1.75	11.13	0.438	19.05	0.75	9.53*16×15.88	0.375*16×0.625
STL-600-50	600	82.55	3.25	38.1	1.5	44.45	1.75	15.88	0.625	44.45	1.75	11.13	0.438	19.05	0.75	9.53*16×15.88	0.375*16×0.625
STL-800-50	800	114.3	4.5	54.86	2.16	63.5	2.5	25.4	1	53.98	2.125	14.28	0.562	25.4	1	12.7*13×22.23	0.5*13×0.875
STL-1000-50	1000	114.3	4.5	54.86	2.16	63.5	2.5	25.4	1	53.98	2.125	14.28	0.562	25.4	1	12.7*13×22.23	0.5*13×0.875
STL-1200-50	1200	114.3	4.5	54.86	2.16	63.5	2.5	25.4	1	53.98	2.125	14.28	0.562	25.4	1	12.7*13×22.23	0.5*13×0.875