

PANEL MOUNTED DC SHUNT RESISTOR (CSPMD – SERIES)



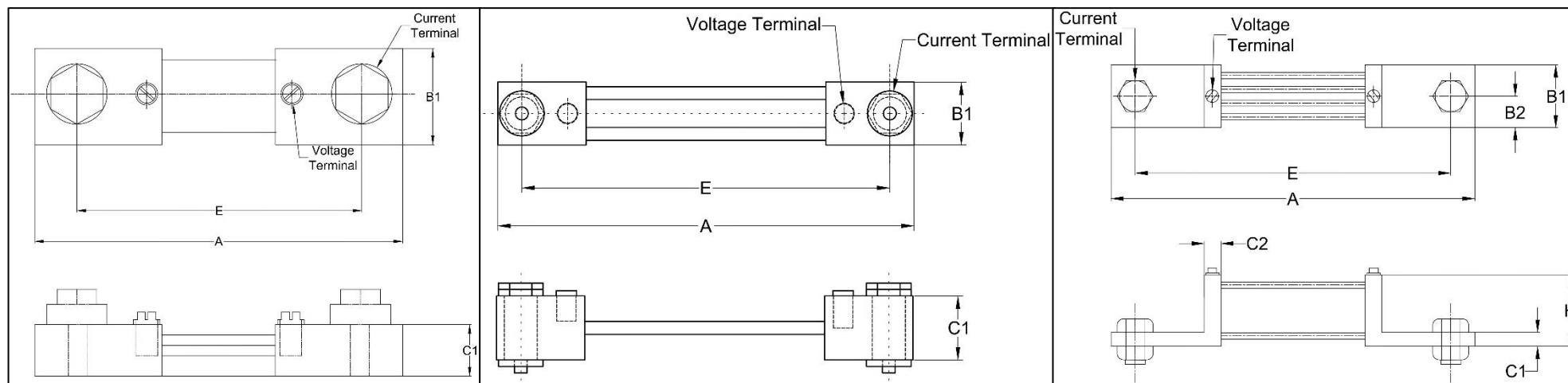
CERMET RESISTRONICS PVT. LTD

FEATURES:

- DC shunt resistors.
- Resistive element manganin.
- Customized design also available.
- Tolerance: Class 1 ($\pm 1\%$)
- Long term stability.
- Rating 1A to 15000A
- Standard: 60mV, 75mV, 150mV other mV outputs available on request.
- Corrosion protection provided on side blocks & resistive element.
- Shunts are manufacture as per IS 1248, part VIII.



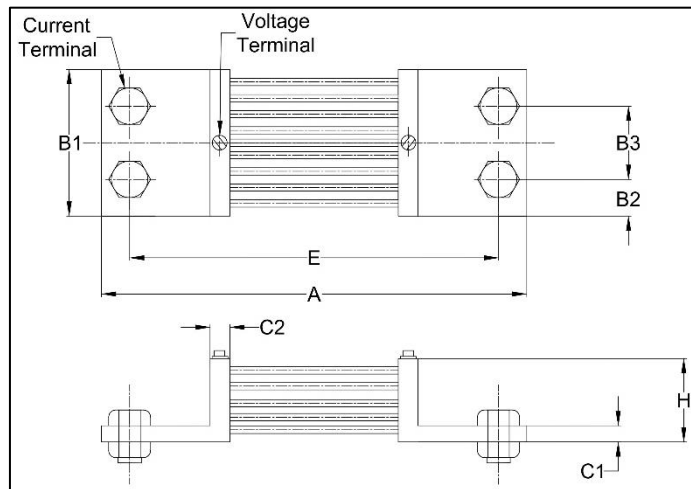
DRAWINGS:



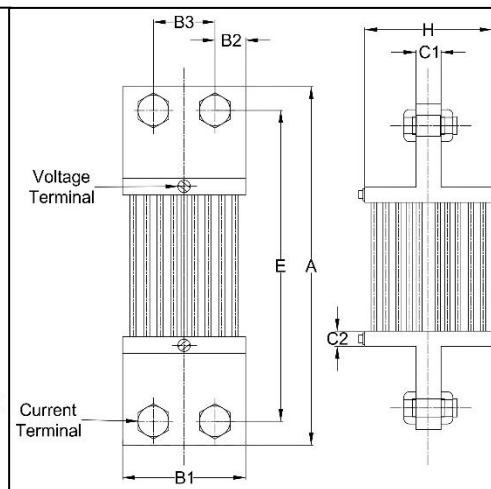
UPTO 30A.

31A. To 300A.

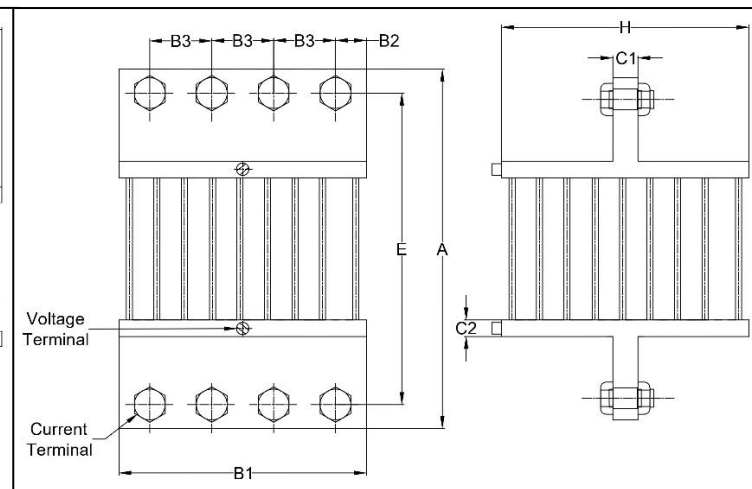
301A. To 750A.



751A. To 3000A.



3001A. To 5000A.



5001A. To 10000A.

6000A To 7500A shunts have 3 bolts at each terminal spaced at lateral distance B3

12000A To 15000A shunts have 6 bolts at each terminal spaced at lateral distance B3

Rated current (Amps)	Dimensions are in mm															Current Terminal	No. of Current Terminals
	Dim. 'A' max.			Dim. 'B'			Dim. 'C'		Dim. 'E'			Dim. 'H' max.					
	60 mV	75 mV	150 mV	B1(Min.- Max.)	B2	B3	C1	C2	60 mV	75 mV	150 mV	60 mV	75 mV	150 mV			
1 to 30	90	100	100	15-25	-	-	8	-	70	88	88	-	-	-	M5	2 x 1	
31 to 150	110	120	225	15-25	-	-	8	-	80	100	205	-	-	-	M8	2 x 1	
151 to 300	155	165	270	25-35	15	-	10	-	105	125	230	-	-	-	M12	2 x 1	
301 to 750	155	165	270	30-50	20	-	10	10	105	125	230	30	30	50	M16	2 x 1	
751 to 1000	175	185	290	40-75	30	-	10	10	115	135	240	30	30	60	M20	2 x 1	
1001 to 1500	175	185	290	75-100	21	48	10	10	115	135	240	30	30	60	M16	2 x 2	
1501 to 3000	175	185	290	100-125	30	60	10	10	115	135	240	30	30	60	M20	2 x 2	
3001 to 5000	175	185	300	100-125	30	60	15	15	115	135	250	60	60	130	M20	2 x 2	
5001 to 7500	185	195	300	125-175	25	52	25	15	125	145	250	130	130	130	M20	2 x 3	
7501 to 10000	195	205	310	175-225	25	52	30	20	135	155	260	170	170	170	M20	2 x 4	
10001 to 15000	195	205	310	250-350	25	52	30	20	135	155	260	170	170	170	M20	2 x 6	

Note: 1) Unless specified, tolerance for mounting dimensions (Dim. 'E') shall be $\pm 1.5\text{mm}$ up to 1500A rating & $\pm 2.0\text{mm}$ for the ratings above 1500A.
2) The T-section is available for heights (Dim. 'H' max.) above 60 mm.

Technical Parameters	
Characteristics	Test Specifications
5 Seconds Withstand	10 times for 1 A to 500 A 5 times for 600 A to 2000 A 2 times for 2500 A to 15000 A
Duty Cycle	100%
Temperature Coefficient	± 50 PPM/ $^{\circ}$ C
Storage Temperature	-20 $^{\circ}$ C to 70 $^{\circ}$ C
Operating Temperature	-10 $^{\circ}$ C to 55 $^{\circ}$ C



CERMET RESISTRONICS PVT. LTD

Gate No. 61, Plot No. 1 & 2, Tal. Bhor, Shindewadi, Pune- 412205, Maharashtra, India

Contact No. :- +91 9921050098 / 9975596459 / 9975596456

E-mail: - sales@cermet.co.in