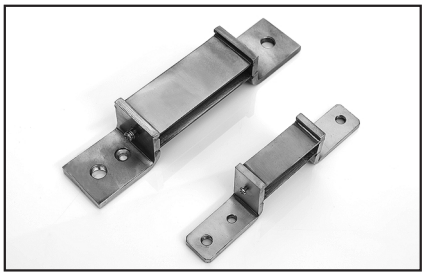
L Terminal Shunt Resistors

Preliminary version

LT shunts are highly accurate manganin resistance D.C. shunts. These shunts are designed for standard current measurement of electric equipment.
When a current is passed through the shunt a proportional millivolt output is produced. These are compact but have excellent long-term stability, low emf and low TCR. Our standard range of L shunts can be current rated from 5A to 500A with 50mV to 100mV output
Applications include: Measuring current in D.C. and can also be used in control devices such as power supplies and battery chargers for overload protection



GENERAL SPECIFICATIONS

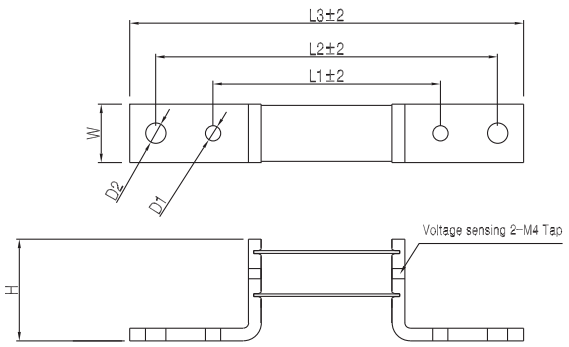
Model	Rated Current [A]	Output Voltage [mV]	Resistance Value [mΩ]	Tolerance [%]	TCR(ppm/℃) (+20℃ to +150℃)
LT50	50	100	2.0000	B[±0.1%] C[±0.25%] D[±0.5%] F[±1.0%]	Max.±30 ppm/℃
LT75	75		1.3333		
LT100	100		1.0000		
LT120	120		0.8333		
LT150	150		0.6666		
LT200	200		0.5000		
LT300	300		0.3333		
LT400	400		0.2500		
LT500	500		0.2000		

*Also available in extended output voltage range of 50mV to 100mV, Please ask RARA for more info on this.

CHARACTERISTICS

Operating temperature	+20℃ to +150℃

DIMENSIONS [mm]



Model	L1±2	L2±2	L3±2	H	W	D1	D2
LT50-150	78	107	127	Max.35	Max.30	4.3Φ hole	M6 Tapped hole
LT200-300	120	165	185	Max.45	Max.35	4.3Φ hole	M6 Tapped hole
LT400-500	130	175	200	Max.50	Max.55	6.3Φ hole	M8 Tapped hole

ORDERING PROCEDURE EXAMPLE

LT	200	0.1V	5mΩ	D
Model #	Rated Current	Rated Voltage	Resistance	Tolerance