Shunt Resistors

Performance Specification

Temperature Coefficient	±400PPM/C depends on resistance value.
Short Time Overload	±(5.0% + 0.05Ω)Max, with on evidence of mechanical damage.
Resistance to Soldering Heat	±(1.0% + 0.05Ω)Max, with on evidence of mechanical damage.
Solderability	Min.95% coverage

Ordering Procedure: Ex.: CSRA, ϕ08mm, +/- 5%, 25mΩ, B/B

C	S	R	A	0	8	J	2	5	L	0	B	0	0

Type:
CSRA = Type A
CSRB = Type B
CSRC = Type C
CSRD = Type D

Wire diameter:
08 = Ø0.8
10 = Ø1.0
12 = Ø1.2
14 = Ø1.4
16 = Ø1.6
20 = Ø2.0

Tolerance:
G = ±2%
J = ±5%
K = ±10%

Resistance Value:
• "L" decimal point
Ex.: 5L00 = 5mΩ
5L50 = 5.5mΩ
25L5 = 25.5mΩ
255L = 255mΩ

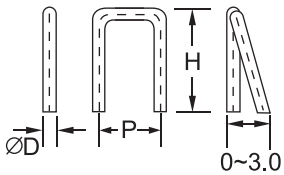
Packing Type:
B = Bulk/Box

Packing Qty:
0 = Bulk/Box

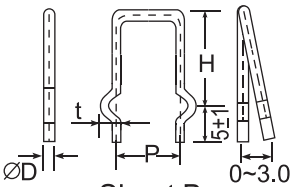
Additional Information:
0 = NIL

Features

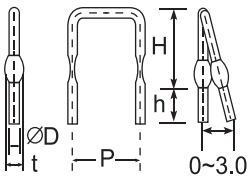
- The resistive element: CuNi or MnCu alloys (depends on resistance value)
- Customized product
- Low inductance type
- For current sensing application
- Easy to insert and solder
- Resistance tolerance: ±2%, ±5%, ±10%
- Power rating is in the form of maximum current (amp)



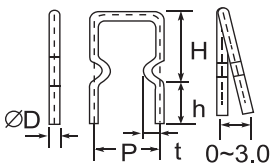
Shunt A



Shunt B



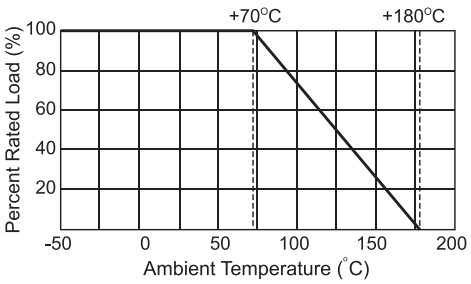
Shunt C



Shunt D

Type	Wire diameter (mm)	Rated Current (A)	Resistance range	Remark
CSRA CSRB CSRC CSRD	0.8	4.5	5mΩ ~ 50mΩ	Info needed: a.) Ohmic value b.) Rated current (amp) Optional: a.) Pitch b.) Leadwire diameter
	1.0	5.5	3mΩ ~ 30mΩ	
	1.2	7.0	3mΩ ~ 20mΩ	
	1.4	8.0	3mΩ ~ 20mΩ	
	1.6	9.5	3mΩ ~ 15mΩ	
	2.0	12	3mΩ ~ 10mΩ	

Derating Curve



RoHS Compliant