

# Shunt Resistors

## Performance Specification

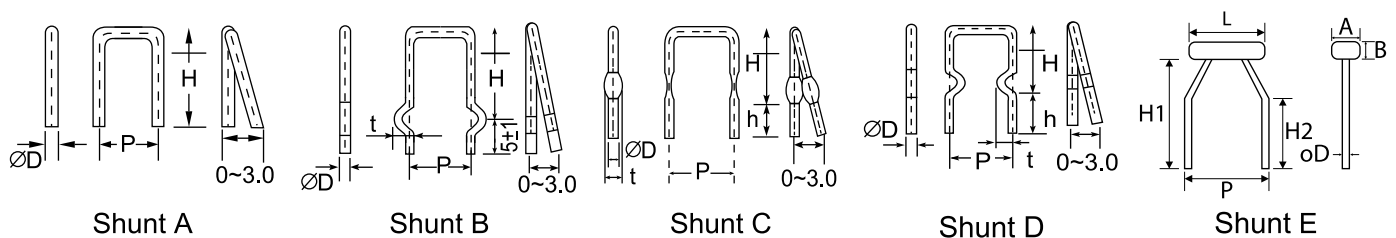
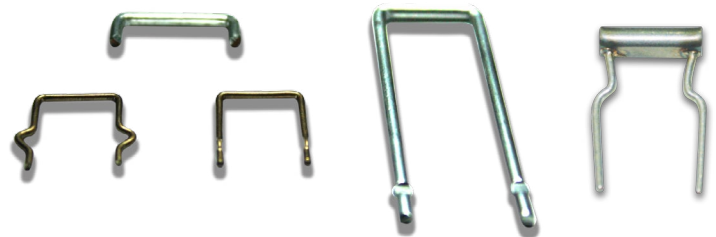
Temperature Coefficient	±400PPM/°C depends on resistance value.
Short Time Overload	±(5.0% + 0.05Ω)Max, with no evidence of mechanical damage.
Resistance to Soldering Heat	±(1.0% + 0.05Ω)Max, with no evidence of mechanical damage.
Solderability	Min. 95% coverage.

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

C	S	R	A	0	8	J	2	5	L	0	B	0	0	
<b>Type:</b> CSRA = Type A CSRB = Type B CSRC = Type C CSRD = Type D CSRE = Type E				<b>Wire diameter:</b> 08 = Ø0.8 10 = Ø1.0 12 = Ø1.2 14 = Ø1.4 16 = Ø1.6 20 = Ø2.0			<b>Resistance Value:</b> • "L" decimal point Ex.: 5L00 = 5mΩ 5L50 = 5.5mΩ 25L5 = 25.5mΩ 255L = 255mΩ				<b>Packing Type:</b> B = Bulk/Box		<b>Packing Qty:</b> 0 = Bulk/Box	
						<b>Tolerance:</b> G = ±2% J = ±5% K = ±10%								
											<b>Additional Information:</b> 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)



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.) Lead wire diameter
	1.0	5.5	3mΩ ~ 30mΩ	
	1.2	7.0	3mΩ ~ 20mΩ	
	1.4	8.0	3mΩ ~ 20mΩ	
	1.6	9.0	3mΩ ~ 15mΩ	
	2.0	12	3mΩ ~ 10mΩ	
CSRE	1.0	50	1mΩ	

## Derating Curve

