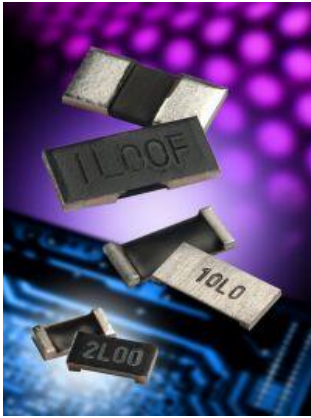


Current Sensing Resistors Metal Plate Technology



TLR Series



Milliohm Metal Plate Shunts

■ Features

- 0.5 mΩ to 20 mΩ
- Current ratings up to 100 A
- T.C.R.: ±50 / ±75 ppm/K
- 0.6 ... 0.7 mm low profile height
- Special no 'hotspot' trimming for high reliability
- Low parasitic inductance
- 5 sizes from 0805 to 2512 inch
- Operating Temperatures up to +170 °C
- EU-RoHS compliant, AEC-Q200 qualified
- Filletless product (soldering area is only the bottom electrode)
- Lab Kits are available

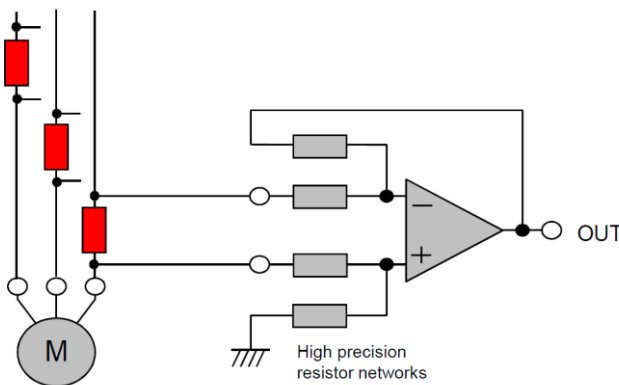
NEW
Increased Power Ratings

Jumper **TLRZ** also available in
0402, 0603, 0805, 1206
1206 = 50 A

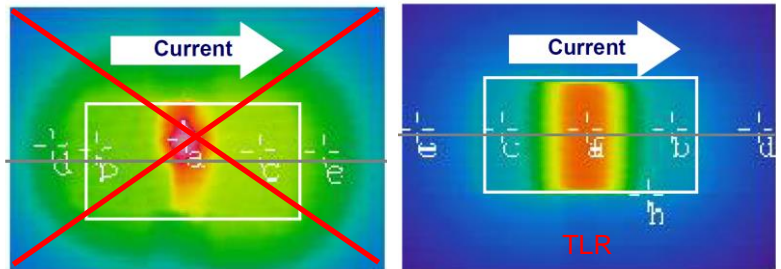
■ Application Examples

- Automotive electronics, Power steering (EPS), Motor control units, Power supplies, AC / DC-DC converter, Metering, CPU current sensing, Mobile devices charge controller

Motor Control Circuit



Temperature Distribution Smooth Current Flow



■ Ratings

Increased

Type	Power Rating	T.C.R. (ppm/K)	Resistance Range (Ω)	Resistance Tolerance	Rated Terminal Part Temp.	Operating Temp. Range
1206	1.0W	±50	2m,3m,4m,5m,6m,7m,8m,9m,10m, 11m,12m,13m,15m,16m,18m,20m	F: ±1%	+120°C and less	-65°C~+170°C
		±75	0.5m,1m,1.5m,2m,3m,4m,5m,6m,7m,8m,9m, 10m,11m,12m,13m,15m,16m,18m,20m			
1206	1.5W	±50	2m,3m,4m,5m,6m,7m,8m,9m,10m 11m,12m,13m,15m,16m,18m,20m		+110°C and less	
		±75	0.5m,1m,1.5m,2m,3m,4m,5m,6m,7m,8m,9m,10m 11m,12m,13m,15m,16m,18m,20m		+100°C and less	
2010	2.0W	±50	0.5m,1m,1.5m,2m,2.5m,3m,4m,5m,6m,7m 8m,9m,10m		+110°C and less	
		±75	0.5m,1m,1.5m,2m,2.5m,3m,4m,5m,6m,7m 8m,9m,10m		+100°C and less	
2512	3.0W	±50	5m,6m,7m,8m,9m,10m		1.5m~8m: +110°C and less 9m~10m: +90°C and less	
		±75	1.5m,5m,6m,7m,8m,9m,10m		+110°C and less	
	NEW	5.0W	2m,3m,4m		+110°C and less	
2512	3.0W	±50, ±75	2m,3m		+110°C and less	

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Our privacy policy in its newest form is available at <https://koaeurope.de/privacy-policy/>

■ **Datasheet**

