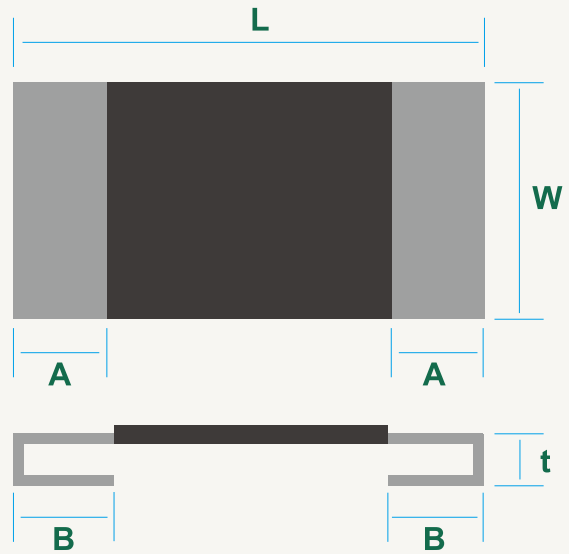


### Features

- ◆ High accuracy resistor for current detection
- ◆ Chip size from 0402 to 2512
- ◆ Resistance Value from 47mΩ to 910mΩ
- ◆ Lead free, RoHS compliant for global applications and halogen free

### Application

- ◆ Portable Electronic Equipment-Mobile phone, NB, Tablet PC, GPS, DSC, HDD
- ◆ Battery Packs (N/B, Mobile Phone and Automobile)
- ◆ Switching power supply, Converter, Inverter
- ◆ Adapter and Chargers
- ◆ Power Module for LED Lighting and Backlights



## Electrical Specification

Series	Power Rating	Resistance Range(mΩ)	Operation Temp. Range	TCR (PPM/°C)	Tolerance
WTCS0402	1/16W	47-910 mΩ	-55~+155°C	± 200	F=±/-1% G=±/-2% J=±/-5%
WTCS0603	1/8W	47-910 mΩ		± 200	
WTCS0805	1/4W	47-910 mΩ		± 200	
WTCS1206	1/2W	47-910 mΩ		± 200	
WTCS2010	3/4W	47-910 mΩ		± 200	
WTCS2512	1W	47-910 mΩ		± 200	

## Dimension

Size	Dimensions (mm)				
	L	W	t	A	B
0402(1005mm)	1.00±0.10	0.50±0.05	0.35±0.05	0.20±0.10	0.25±0.10
0603(1608mm)	1.55±0.10	0.80±0.10	0.45±0.10	0.30±0.20	0.35±0.20
0805(2012mm)	2.0±0.15	1.25±0.15	0.50±0.10	0.40±0.20	0.35±0.20
1206-S(3216mm)	3.10±0.20	1.55±0.10	0.55±0.10	0.50±0.30	0.40±0.20
1206-L(3216mm)				0.8±0.30	
2010-S(5025mm)	5.00±0.20	2.50±0.20	0.55±0.10	0.60±0.30	0.50±0.25
2010-L(5025mm)				1.6±0.30	
2512-S(6432mm)	6.30±0.20	3.20±0.20	0.55±0.10	0.60±0.30	0.50±0.25
2512-L(6432mm)				1.8±0.30	