

Surface Mount Metal Plate Current Sense Resistors
TLR Series, Specifications & Pricing



Part Number Determination

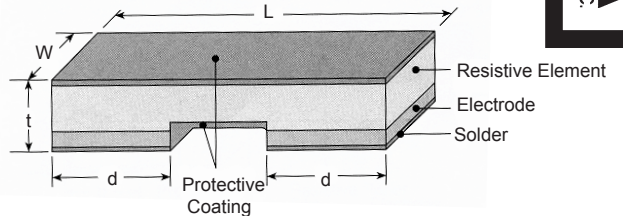
TLR3ALTE2L00F					
TLR	3A	L	TE	2L00	F
Type	Power Rating	Termination	Packaging	Nominal Resistance	Tolerance
TLR	2B=0.5W 2H=1W 3A=1W 3AW=2W	L: SnPb (3A) D: SnAgCu (2B, 2H, 3A, 3AW)	TE: 7" 8mm pitch embossed plastic (3A, 3AW: 2,000 pcs/reel) (2H: 4,000 pcs/reel) TD: 4mm pitch punched paper (2B only: 5,000 pcs/reel) BK: Bulk	F: 4 digits J: 3 digits Ex: 2L00: 2mΩ	F: ±1% J: ±5%

Electrical Characteristics

Series	Power Rating @ 70°C	T.C.R. (ppm/°C) Max.	Standard Resistance	Resistance Tolerance	Absolute Maximum Working Voltage	Rated Ambient Temperature	Operating Temperature Range
TLR2B	1/2W (.5W)	±150	2mΩ - 6mΩ, 8mΩ, 10mΩ - 16mΩ, 18mΩ, 20mΩ	F:±1%, J:±5%	$\sqrt{P \cdot R}$	+70°C	-65°C ~ +150°C
TLR2H	1W	±150	2mΩ - 8mΩ	F:±1%, J:±5%	$\sqrt{P \cdot R}$	+70°C	-65°C ~ +150°C
TLR3A	1W	±150 ±200	1mΩ, 2mΩ 3mΩ, 4mΩ	F:±1%, J:±5%	$\sqrt{P \cdot R}$	+70°C	-65°C ~ +170°C
TLR3AW	2W	±150	2mΩ - 3mΩ 4mΩ - 8mΩ	F:±1%, J:±5%	$\sqrt{P \cdot R}$	+70°C	-65°C ~ +155°C -65°C ~ +170°C

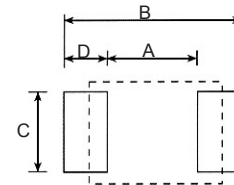
Package Dimensions (in/mm)

Series	Resistance	L	W	d	t
TLR2B	2mΩ - 6mΩ, 8mΩ, 10mΩ - 16mΩ, 18mΩ, 20mΩ	.126±.008 (3.20±0.20)	.063±.008 (1.60±0.20)	0.20±.008 (0.50±0.20)	.024±.008 (0.60±0.20)
TLR2H	2mΩ - 6mΩ 7mΩ - 8mΩ	.200±.008 (5.00±0.20)	.100±.008 (2.50±0.20)	0.60±.008 (1.50±0.20) 0.20±.008 (0.50±0.20)	.024±.008 (0.60±0.20)
TLR3A	1mΩ 2mΩ 3mΩ 4mΩ	0.25±.01 (6.35±0.25)	0.125±.01 (3.18±0.25)	.087±.01 (2.20±0.25) 0.47±.01 (1.20±0.25) 0.73±.01 (1.85±0.25) 0.47±.01 (1.20±0.25)	.024±.01 (0.62±0.25)
TLR3AW	2mΩ - 4mΩ 5mΩ - 8mΩ	.25±.01 (6.35±0.25)	.125±.01 (3.18±0.25)	.087±.01 (2.20±0.25) 0.47±.01 (1.20±0.25)	.024±.01 (0.60±0.25)



Land Pattern (mm)

Series	Resistance	A	B	C	D
TLR2B		1.4	4.0	1.8	1.3
TLR2H	2mΩ - 6mΩ 7mΩ, 8mΩ	1.3 3.3	6.1 6.1	3.0 3.0	2.4 1.4
TLR3A	1mΩ 2mΩ 3mΩ 4mΩ	1.95 3.45 2.15 3.45	7.55 7.55 7.55 7.55	3.83 3.83 3.83 3.83	3.05 2.05 2.70 2.05
TLR3AW	2mΩ - 4mΩ 5mΩ - 8mΩ	1.45 3.45	7.55 7.55	3.83 3.83	3.05 2.05



Mfg Specs

- Go to www.garrettelec.com
- Enter part number or find by description
- Select "S", select "manufacturer's specifications"