

Power Low Ohm Metal

CRL-TL Series



- Surface mount low ohmic current sense resistors
- For use with battery charging management IC's, power supplies and shunt resistor applications
- Three case sizes 0805, 1206 and 2512
- Power ratings from 0.125W to 1W
- Virtually non-inductive low noise



	0805 CRL 1220	1206 TL2B	2512 TL3A
Technology	Thick film	Metal alloy	Metal alloy
Power rating @70°C	0.125W	0.25W	1W
Resistance tolerance	±5%	±1%	±1%
Temperature coefficient	200ppm/°C	75ppm/°C	75ppm/°C
Temperature range	-55°C to +125°C	-65°C to +170°C	-65°C to 170°C

Stocked in the following OHMIC values:

0805 CRL 1220 Series

OR022 = 117-3953	OR068 = 117-3956	OR15 = 117-3961	OR47 = 117-3964
OR033 = 117-3954	OR075 = 117-3957	OR22 = 117-3962	OR68 = 117-3965
OR047 = 117-3955	OR1 = 117-3958	OR33 = 117-3963	

Order Code	Price Each				
	5+	25+	100+	500+	+
All Values ●	29.00	24.00	22.00	16.00	--

1206 TL 2B Series

OR01 = 117-3966	OR018 = 117-3969	OR033 = 117-3971	OR068 = 117-3974
OR015 = 117-3968	OR022 = 117-3970	OR047 = 117-3973	OR09 = 117-3975

Order Code	Price Each				
	5+	25+	100+	500+	+
All Values ●	82.00	60.00	54.00	25.00	--

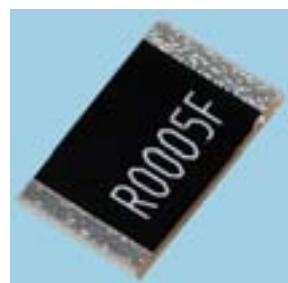
2512 TL3A Series

OR001 = 117-4190	OR005 = 117-3976	OR022 = 117-3980	OR051 = 117-4188
OR002 = 117-4191	OR01 = 117-3977	OR033 = 117-3981	OR068 = 117-4189
OR003 = 117-4192	OR015 = 117-3978	OR047 = 117-3982	OR075 = 117-3983
OR004 = 117-4193	OR018 = 117-3979		

RP226/

Order Code	Price Each				
	5+	25+	100+	500+	+
All Values ●	86.00	66.00	58.00	35.00	--

BSC8 Series - Current Detect Chip Resistor



- Low profile surface mount package
- Excellent pulse/surge performance
- Non-inductive design.

Application includes: current sense, servo motor control circuits.

Power rating	8W	Temperature coefficient	50ppm/°C
Resistance tolerance	±1%	Dimensions (HxWxD)	12.8 x 6.4 x 12.8mm
Operating temperature	-55°C to +175°C		

Stocked in the following OHMIC Values:

0m5 = 111-4442	1m = 111-4443	2m5 = 111-4444	5m = 111-4445
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Order Code	Price Each				
	1+	25+	100+	500+	+
All Values ●	218.00	186.00	164.00	131.00	--

1 Watt—SL1 Series



- Surface mount low ohmic value
- Non-inductive, low TCR fully sealed case
- Applications include current sensing and monitoring

L=6.3 W=3.5 H=3.5
Supplied on 12mm embossed tape

Power rating @25°C	1W	Resistance tolerance	±5%
Voltage rating	√PR	Operating temperature	-55°C to +125°C
Dielectric strength	1000V/m	Temperature coefficient	100ppm/°C
OR005 = 117-4242	OR015 = 117-4244	OR033 = 117-4246	OR051 = 117-4248
OR01 = 117-4243	OR022 = 117-4245	OR047 = 117-4247	OR068 = 117-4249

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Order Code	Price Each			
	1+	50+	100+	500+
All Values ●	156.00	116.00	103.00	75.00

LVR Series

Wirewound low Ohmic value



- Ideal for all types of current sensing applications including switching and linear power supplies, instruments and power amplifiers
- Proprietary processing technique produces extremely low resistance values
- Low temperature coefficient
- Cooler operation for high power to size ratio

Resistance tolerance	±1%	Dielectric withstanding voltage	1000V
Operating temperature	-65°C to +175°C	Insulation resistance	10000MR

1 Watt - LVR01

Power rating (Pr) @ 25°C	1W	Diameter Body	2.92mm
Length Body	10.85mm	Diameter Lead	0.508mm

Stocked in the following OHMIC Values :

OR01 = 110-8056	OR03 = 110-8059	OR07 = 110-8063
OR02 = 110-8057	OR04 = 110-8060	OR08 = 110-8064
OR025 = 110-8058	OR05 = 110-8061	OR1 = 110-8065

3 Watt - LVR03

Power rating (Pr) @ 25°C	3W	Diameter Body	5.21mm
Length Body	14.22mm	Diameter Lead	0.813mm

Stocked in the following OHMIC Values :

OR005 = 110-8066	OR025 = 110-8070	OR07 = 110-8075	OR2 = 110-8079
OR01 = 110-8067	OR03 = 110-8071	OR08 = 110-8076	
OR015 = 110-8068	OR04 = 110-8072	OR1 = 110-8077	
OR02 = 110-8069	OR05 = 110-8073	OR15 = 110-8078	

5 Watt - LVR05

Power rating (Pr) @ 25°C	5W	Diameter Body	8.38mm
Length Body	23.5mm	Diameter Lead	1.02mm

Stocked in the following OHMIC Values :

OR005 = 110-8080	OR025 = 110-8084	OR07 = 110-8089	OR15 = 110-8092
OR01 = 110-8081	OR03 = 110-8085	OR08 = 110-8090	OR2 = 110-8093
OR015 = 110-8082	OR04 = 110-8087	OR1 = 110-8091	OR3 = 110-8094
OR02 = 110-8083	OR05 = 110-8088		

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Power rating	Order Code	Price Each				
		5+	25+	100+	250+	+
1W	All Values ●	92.00	85.00	74.00	52.00	--
3W	All Values ●	92.00	85.00	74.00	52.00	--
5W	All Values ●	116.00	102.00	93.00	70.00	--

Aluminium Clad Wirewound

WH Series



WH5



WH50

WH series aluminium clad resistors for applications where high wattage dissipation in a small space is required. The housing is hard anodised aluminium with terminals of solder coated copper.

The resistive element of tape or wire is wound on a high grade ceramic former and welded to axial terminations. The assembly is encapsulated in an anodised aluminium heat sink, which ensures good heat dispersal and a low hot-spot temperature. Power ratings specified derate linearly from full load at 20°C to zero at 200°C.

- Hard anodised aluminium clad wirewound resistors
- Complete environmental protection
- Manufactured to exacting standard CECC 40203-006
- 100% measurement of value
- Lot release testing of overload performance, isolation resistance and solderability
- Full stability testing
- 12 hour stabilisation burn-in

The WH series maximises the capability to withstand short, high energy pulses and overloads by using a physically larger resistor element than other similar products.

Dimensions:

WH5	H=9, W=8.9, L=17 (Body) Fixing centres=12.5 x 11.3, Termination L=6.3
WH10	H=11, W=12.4, L=21 (Body) Fixing centres=15.9 x 14.3, Termination L=7.4
WH25	H=15, W=14.5, L=29 (Body) Fixing centres=19.9 x 18.3, Termination L=10.4
WH50	H=17, W=16.1, L=51 (Body) Fixing centres=21.5 x 39.7, Termination L=10.4

10 Watt - WH5 Series

Power rating @ 20°C	10W	Insulation resistance	10000MΩ
with heatsink	10W	Surface temperature rise (°C/Watt)	22.2
without heatsink	5.5W	Voltage rating	160V ac
Tolerance	±5%	Operating temperature	-55°C to +275°C
Temperature coefficient	±75ppm/°C (<10Ω)		
	±50ppm/°C (≥10Ω)		

Resistors, Potentiometers & Thermistors

17

Compliant
Non-compliant
+ Limited stock - RoHS replacement available
RoHS