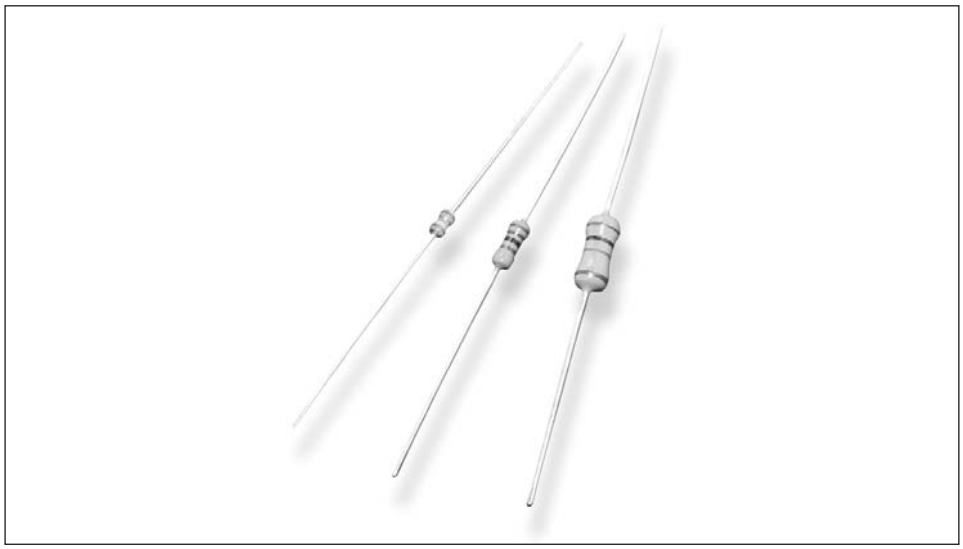
Type LR Series

Key Features

- **Superior quality metal film resistors with 1% tolerance and temperature coefficients down to 50 ppm. 3 case sizes are available in 0.25, 0.6, 0.75W. The LR1L series is a low ohmic value range from 0.1 to 0.82 ohm. Ideally suited where low resistance and small size are required.**
- **Metal film resistors have excellent stability under load and severe environmental conditions. They exhibit very low noise current and voltage coefficients. They are available in a wide range of resistance values and are suitable for general purpose and precision applications.**



The resistive element comprises a thin film of nickel-chrome alloy evaporated onto a high thermal conductivity ceramic element. Metal end caps are force fitted to the element prior to spiralling to value. Tinned copper lead wires are welded to the end caps and the components are then coated. One coat of phenolic resin is followed by three coats of epoxy resin. All resistors are tested for value and tolerance.

Characteristics - Electrical

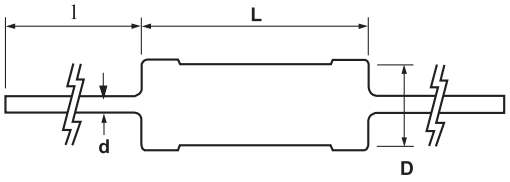
	LR0204		LR1L	LR1			LR2	LR100	LR200
Rated Power @ 70°C (W)	0.25		0.5	0.6			0.75	1	2
Resistance Range (Ohms) Min	1R0	10R	R10	1R0	10R	1M1	1R0	10R	10R
Max	9R1	1M0	R82	9R1	1M0	10M	1M0	1M0	1M0
Tolerance (%)	1	1	5	0.5 1 2	0.5 1 2	0.5 1 5	1 2	1 5	1 5
Code Letter	F	F	J	D F G	D F G	D F J	F G	F J	F J
Temp. Coefficient (ppm/°C)	± 100	± 100	± 200	± 100	± 50	± 100	± 100	25/50/100	25/50/100
Selection Series	E24	E24	E12	E24	E24	E24	E24	E24	E24
On Request		E96			E96		E96	E96	E96
Limiting Element Voltage	200		350	350			350	500	500
Max Permitted Element Voltage	200		350	350			350	500	500
Max Overload Voltage	400		500	700			700	1000	1000
Max Intermittent Overload Voltage	500		750	750			750	1000	1000
Operating Temp. Range (°C)	-55 to +155								
Climatic Category	55/155/56								
Dielectric Strength (V)	500		700	700			700	700	700
Insulation Resistance Min Dry (Mohms)	1000								

Dimensions are in millimeters and inches unless otherwise specified. Values in brackets are standard equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

Type LR Series

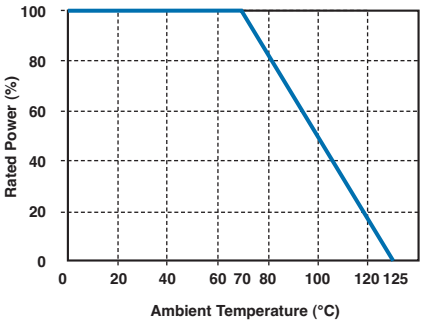
Dimensions



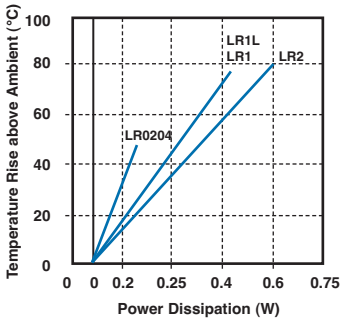
Style	L*	D	d Nom	l
LR0204	3.5 +/-0.2	2.0 max	0.45	28 +/-3.0
LR1	6.2 +/-0.5	2.3 +/-0.2	0.55	28 +/-3.0
LR1L	6.2 +/-0.5	2.3 +/-0.2	0.55	28 +/-3.0
LR2	9.7 +/-0.3	3.5 +/-0.2	0.55	28 +/-3.0
LR100	12.0 max	5.0 max	0.7	28 +/-3.0
LR200	12.0 max	5.5 max	0.7	28 +/-3.0

* Length is measured in accordance with IEC 294.

Power Derating Curve



Surface Temperature Rise Vs Load



Dimensions are in millimeters and inches unless otherwise specified. Values in brackets are standard equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

Type LR Series

Mounting

The resistors are suitable for processing on automatic insertion equipment and cutting and bending machines.

Marking

The resistors are marked with a colour band code in accordance with JIS C 0802.

Packaging

LR0204, LR1L and LR1 resistors are normally supplied taped in 'ammo' boxes of 4000 pieces.
LR2 resistors are normally supplied taped in 'ammo' boxes of 1000 pieces.
Other package styles on request.
All tape specifications are in accordance with IEC 286-1.

Performance Characteristics

The evaluation of the performance characteristics is carried out with reference to IEC Specifications QC 400 000 and QC 400 100.

TEST REF	Long Term Tests ±(1% + 0.05 ohm)
4.23	Climatic sequence
4.24	Damp heat, steady state
4.25.1	Endurance at 70°C
4.25.3	Endurance at 125°C
TEST REF	**Short Term Tests ±(0.25% + 0.05 ohm)**
4.13	Overload
4.16	Robustness of terminations
4.18	Resistance to soldering heat
4.19	Rapid change of temperature
4.22	Vibration

* For LR1L the limits are ± (5% + 0.1 ohm) and ± (1% + 0.05 ohm) respectively. All resistance values are measured at a distance of 12mm from the end cap.

How to Order

LR	1	F	100R
Common Part	**Style**	**Tolerance**	**Value**
LR - Metal Film Fixed Resistor	0204 - 0.25W 1L - 0.5W 1 - 0.6W 2 - 0.75W 100 - 1W 200 - 2W	J - 5% G - 2% F - 1% D - 0.5%	100 ohm (100 ohms) 100R 1K0 (1000 ohms) 1K0 100 K ohm (100,000 ohms) 100K

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LifeElectronics
Живое партнерство

ООО «ЛайфЭлектроникс» **“LifeElectronics” LLC**

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- *Конкурентоспособные цены и скидки постоянным клиентам.*
- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
- *Доставку товара в любую точку России и стран СНГ.*
- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
- *Формирование склада под заказчика.*

- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
- *Тестирование поставляемой продукции.*
- *Поставку компонентов, требующих военную и космическую приемку.*
- *Входной контроль качества.*
- *Наличие сертификата ISO.*

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- *Регистрацию проекта у производителя компонентов.*
- *Техническую поддержку проекта.*
- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

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