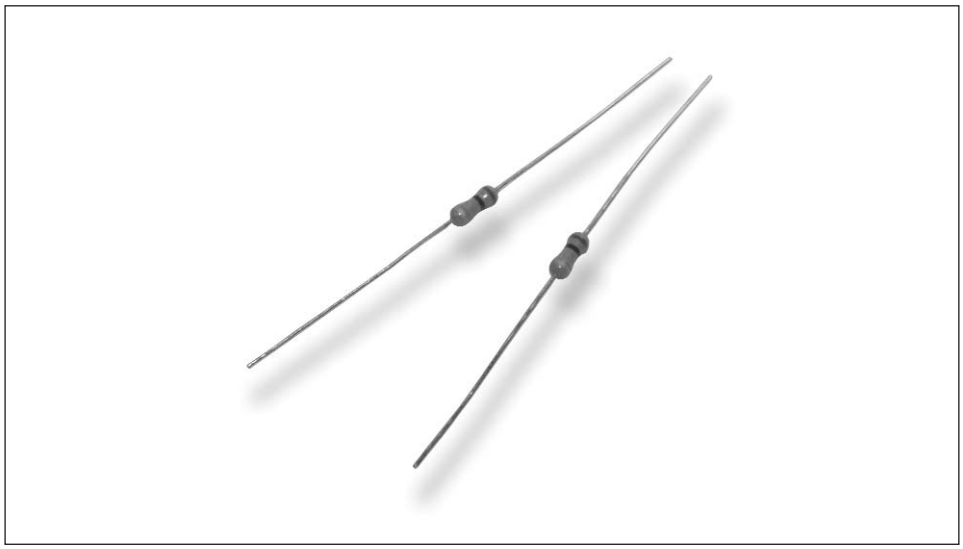
Type RGP Series

Key Features

- The thick film is suitable for the manufacture of very high resistance values and for high voltage working components.
- The combination of high values and high working voltage makes these components ideally suited for such applications as TVs, electrical measuring equipment etc..
- Thick film metal glaze series for high ohmic values and high voltage surge rating with a range up to 10 Gohm.

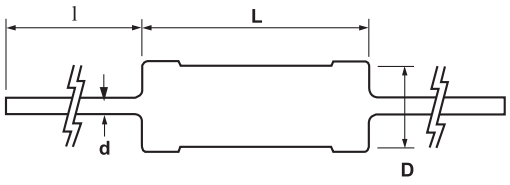


Metal glaze resistors are manufactured using thick film techniques. The ceramic slugs have the thick film applied, the film is fired and end caps are forced onto the slugs, the resistive element is spiralled to value and lead wires are welded onto the end caps. Four layers of coating are applied - the first being a phenolic resin, the other three being epoxy.

Characteristics - Electrical

	RGP0207CH	RGP50	RGP100	RGP200	RGP300	RGP400
Rated Power @ 70°C (W):	0.25	0.5	1	2	3	4
Resistance Range (ohms) Min:	1M0	1M0	1M0	1M0	1M0	1M0
Max:	1G0	3G0	5G0	5G0	10G	10G
Tolerance (%):	5 10					
Code Letter:	J K					
Temp. Coefficient Max (ppm/°C):	±350					
Selection Series:	E24					
Limiting Element Voltage (V):	750	1K0	1K5	5K0	10K	15K
Maximum Overload Voltage (V):	1K0	1K5	2K5	7K5	15K	20K
Operating Temp. Range (°C):	-55 to +155					
Climatic Category:	55/155/56					
Voltage Coefficient (±%/V):	0.005					
Typical Noise at 47Mohm:	0.75					
Dielectric Strength (V):	300					
Insulation Resistance (Mohms):	1000					

Dimensions



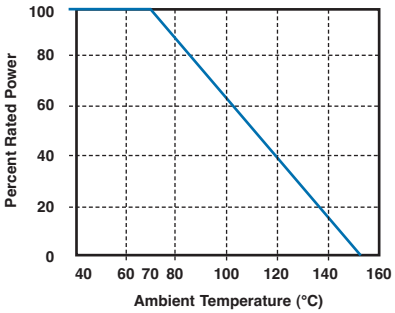
Style	L ± 1	D ± 0.5	d ± 0.1	l ± 2
RGP0207CH	6.5	2.5	0.6	28
RGP50	13.0	4.5	0.8	38
RGP100	14.5	5.5	0.8	38
RGP200	27.0	7.0	0.8	38
RGP300	42.0	7.0	0.8	38
RGP400	52.0	8.0	1.0	38

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 RGP Series

Derating Curve



Mounting

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

Marking

RGP0207CH are marked with a four band colour code in accordance with IEC 62. All others are marked alpha-numerically with the type, value and tolerance.

Packaging

RGP0207CH resistors are normally supplied taped in 'ammo' boxes of 2000 pieces for the range 1M1 to 100M and in boxes of 1000 for the range 101M to 1G0. All other case sizes are packed loose in polythene bags in quantities of 50 pieces per bag. Please consult the Sales Office for tape/boxed product up to 2 watt case size.

Special Requirements

Other values and power ratings are available. Contact the Sales Office for special requirements.

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 ± (2% + 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 155°C
TEST REF	**Short Term Tests ± (1% + 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

How to Order

RGP	0207CH	J	100R
Common Part	**Style**	**Tolerance**	**Value**
RGP - Metal Glaze Fixed Resistor	0207CH - 0.25W 50 - 0.5W 100 - 1W 200 - 2W 300 - 3W 400 - 4W	J - 5%	100 ohm (100 ohms) 100R 1K0 (1000 ohms) 1K0 100K 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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