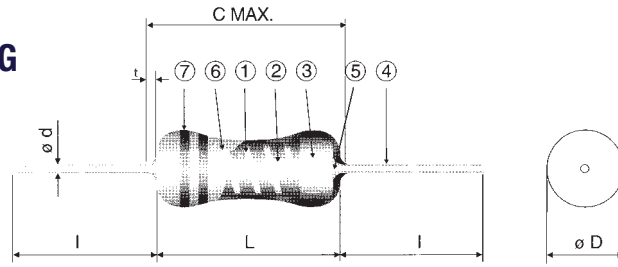
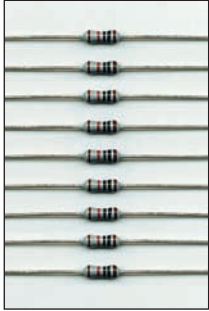


**METAL FILM
EXTENDED POWER RATING
MFS 1/2**



STRUCTURE

- 1 Ceramic core
- 2 Trimmed metal film
- 3 Steel cap (Cu, Sn plated)
- 4 Lead wire
- 5 Welding joint
- 6 Epoxy resin overcoating
- 7 Marking



IDENTIFICATION

PRODUCT CODE	COATING COLOR	MARKING
MFS 1/2	Light Grey	Color Code (R-value and tolerance)

All these products have Pb-free terminations and meet EU-RoHS and China-RoHS requirements

TYPE DESIGNATION (HOW TO ORDER)

MFS	1/2	D	C	T52	A	1002	F	Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS
PRODUCT CODE	POWER RATING 0.6 Watt	T.C.R. C: ± 50 ppm/K D: ± 100 ppm/K (new)	TERMINATION SURFACE MATERIAL C: SnCu	TAPING & FORMING	PACKAGING A: Ammo R: Reel	NOMINAL RESISTANCE D, F: 4 digits G, J: 3 digits	RESISTANCE TOLERANCE D, F, G, J	

*Please see "PACKAGING"

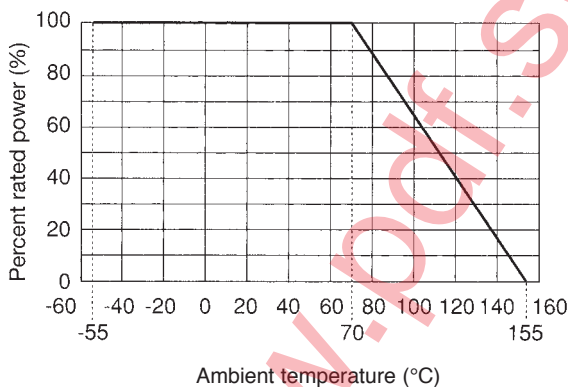
FEATURES

- Size 0207 with 0.6 Watt power rating
- High precision and low T.C.R. metal film resistor
- Automatic insertion is applicable
- Variable formings are available
- Excellent long term stability
- Meets or exceeds IEC 60 115-8, JIS C 5201-1
- Rated ambient temperature: +70°C
- Operating temperature range: -55°C ... +155°C

DIMENSIONS (mm)

TYPE	L	C Max.	D	d (nominal)	I
MFS 1/2	6.3 \pm 0.5	7.1	2.3 \pm 0.3	0.6	30 \pm 3

DERATING CURVE



RATING

DIN SIZE	TYPE	T.C.R. (ppm/K)	POWER RATING*	MAX. WORKING VOLTAGE	MAX. OVERLOAD VOLTAGE	DIELECTRIC WITH-STANDING VOLTAGE	RESISTANCE RANGE			
							E24 • E96		E24	
							D ($\pm 0.5\%$)	F ($\pm 1\%$)	G ($\pm 2\%$)	J ($\pm 5\%$)
0207	MFS 1/2 C C	C (± 50)	0.6 W	350 V	700 V	500 V	10 Ω ... 1 M Ω		2.2 Ω ... 2.2 M Ω	
	MFS 1/2 D C	D (± 100)								

* For resistors operated in ambient temperature over +70°C, power rating shall be derated like shown in above „DERATING CURVE“. Rated voltage = $\sqrt{\text{Power rating} \times \text{resistance value}}$ or max. working voltage, whichever is lower.

PREFERRED TOLERANCE

Contact our sales representatives before you use our products for applications including automobiles, medical equipment and aerospace equipment. Malfunction or failure of the products in such applications may cause loss of human life or serious damage.

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order/use.