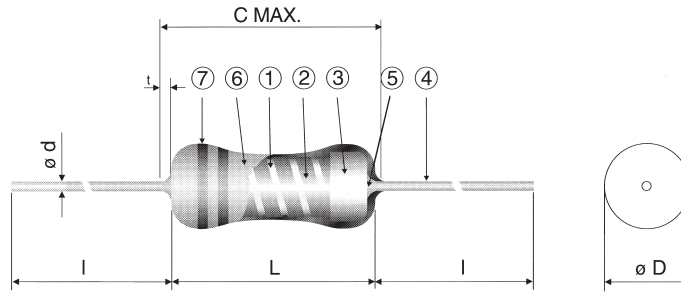
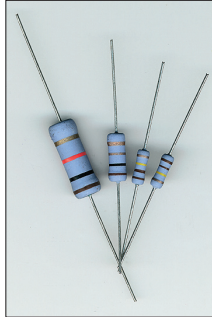


METAL OXIDE STANDARD MO • MOX



STRUCTURE

- 1 Ceramic core
- 2 MO= trimmed metal oxide
MOX= trimmed metal film
- 3 Steel cap (Sn, Sn plated)
- 4 Lead wire
- 5 Welding joint
- 6 Flame retardant insulation coating
- 7 Marking

IDENTIFICATION

PRODUCT CODE	COATING COLOR	MARKING
MO MOX	Blue 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)

MOX	2	C	T631	A	1R0	J	Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS
PRODUCT CODE MO MOX	POWER RATING Unit: Watt 1/2... 3	TERMINATION SURFACE MATERIAL C: SnCu	TAPING & FORMING	PACKAGING A: Ammo R: Reel *Blank = Bulk *Please see "PACKAGING"	NOMINAL RESISTANCE 3 digits	RESISTANCE TOLERANCE G: (±2%) J: (±5%)	

FEATURES

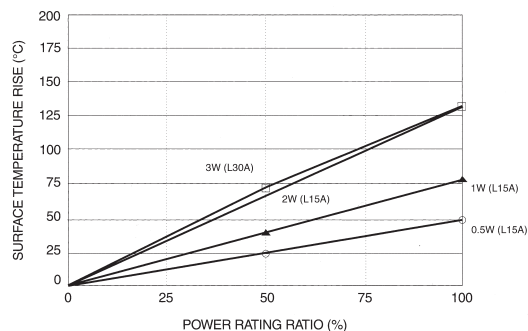
- General purpose power type resistors
- Flame retardant coating (Equivalent to UL94 V-0)
- Automatic insertion is applicable
- Various formings are available
- High reliability for performance
- MO= metal oxide film
- MOX= metal film
- Meets or exceeds IEC 60 115-4, JIS C 5201-4, EIAJ RC-2138
- Rated ambient temperature: +70°C
- Operating temperature range: -55°C... +200°C

DIMENSIONS (mm)

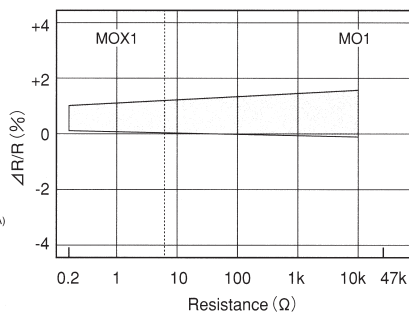
TYPE	L±1	C Max.	ø D	ø d (nom.)	L*
MO(X) 1/2	9.0	11.1	3.2±0.5	0.70	24 Min.
MO(X) 1	12.0	15.0	4.0±0.5		
MO(X) 2	15.5	18.0	6.0±1.0	0.80	30±3
MO(X) 3	24.5	28.0	9.0±1.0		38±3

*Lead length changes depending on taping and forming type.

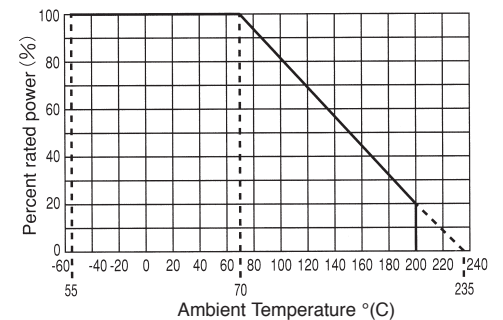
SURFACE TEMPERATURE RISE



LOAD LIFE AT 70°C/1000h



DERATING CURVE



RATING

DIN SIZE	TYPE	T.C.R. (ppm/K)	POWER RATING*	MAX. WORKING VOLTAGE	MAX. OVERLOAD VOLTAGE	DIELECTRIC WITHSTANDING VOLTAGE	RESISTANCE RANGE • E24	
							G (±2%)	J (±5%)
0411	MO 1/2	±200	0.5 W	250V	400V	400V	10Ω...47kΩ	10Ω...47kΩ
0414	MO 1		1 W	350V	600V			
0617	MO 2		2 W			500V	10Ω...100kΩ	10Ω...120kΩ
0922	MO 3		3 W	500V	800V			10Ω...150kΩ
0411	MOX 1/2		0.5 W			400V		
0414	MOX 1		1 W					
0617	MOX 2	2 W		E = √P x R	E x 2.5	500V	5.1Ω...9.1Ω	0.2Ω...9.1Ω
0922	MOX 3	3 W						

*For resistors operated at an ambient temperature of +70°C or above, the power rating shall be derated in accordance with the above derating curve.
Rated voltage = √Power rating x resistance value or max. working voltage, whichever is lower.

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 or use.