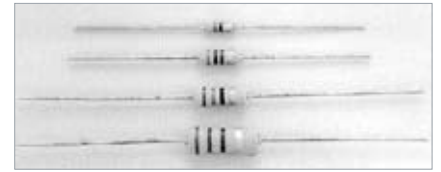




# Miniature Paint Insulated Metal Oxide Film Fixed Resistors

## Feature

Model No. "MOS" of metal oxide film resistor is the miniaturized high power dissipation.  
 The coating is flame proof (Silicon resin).  
 It is equivalent to UL94V-0.



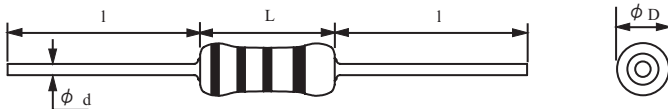
## Power Rating

Model No.	Power Rating	Max. Working Voltage	Max. Overload Voltage	Resistance Range	Tolerance	T.C.R.	Rating Ambient Temp.	Operating Temp. Range
	[W]	[V]	[V]					
MOS1/2W	0.5	250	400	0.1 ~ 10k	±2 ±5 ±10 (±5,±10, for less than 0.2Ω)	±300	+70	-55 ~ +200
MOS 1W	1.0	350	600	0.1 ~ 100k				
MOS 2W	2.0	350	600	0.1 ~ 100k				
MOS 3W	3.0	350	600	0.1 ~ 100k				

☆ Rated Voltage:  $\sqrt{P \cdot R}$  (P=Rated power (W), R=Nominal resistance(Ω)) Rated Voltage shall be either the calculated rated voltage or Max. Working Voltage whichever less.

☆ Metal plated film is used for the low resistance value.

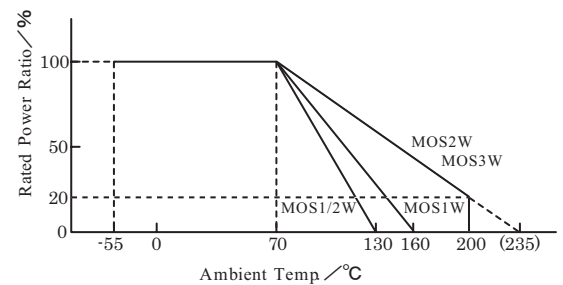
## Dimensions



Model No.	Dimensions(mm)			
	L	D	l	d
MOS1/2W	6.5 ± 1.0	2.2 ± 0.5	30 ± 3	0.6 <sup>+0.1</sup> / <sub>-0.05</sub>
MOS 1W	9.0 ± 1.0	3.5 ± 1.0	30 ± 3	0.65 ± 0.1 (0.8 ± 0.1)
MOS 2W	12.0 ± 1.5	4.0 ± 1.0	38 ± 3	0.8 ± 0.1
MOS 3W	15.0 ± 1.5	5.5 ± 1.0	38 ± 3	0.8 ± 0.1

\*Standard lead diameter of MOS1W is 0.65mm.

## Derating Curve



## Model Designation

MOS   1W   102   J   TU  
 ①   ②   ③   ④   ⑤

	Symbol	Meaning
①	Model No.	MOS MINIATURE PAINT INSULATED FIXED METAL OXIDE FILM RESISTORS, FLAME PROOF
②	Power Rating	1/2W   0.5W
		1W   1.0W
		2W   2.0W
		3W   3.0W
③	Resistance	102   3 Digit E-24 Series
		For detail description about resistance marking, please refer to "General Specifications."
④	Tolerance	G   ± 2.0%
		J   ± 5.0%
		K   ± 10.0%
⑤	Forming Packaging	NoMarking   Bulk
		TU,TP   Axial Taping
		RP,RY   Radial Taping
		L,LS   Stand-off forming
For detail description about forming and taping specification, please refer to Taping Specification page in "General Specifications."		

"Type" indicates the product No., which is not the trademark.  
 Apr. 15, 2009

HOKURIKU

Specifications are subject to change without notice.