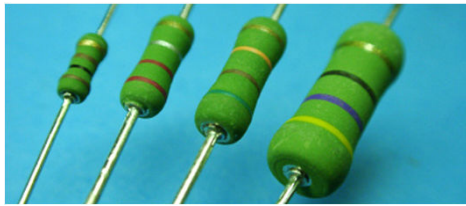


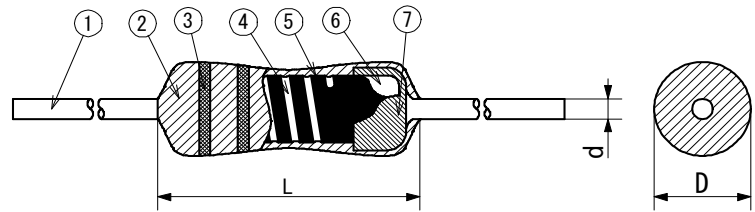


MINIATURE PAINT INSULATED METAL OXIDE FILM FIXED RESISTORS

Model No. MOSC



■ Constructions and Dimensions



①	lead wire	④	herical cutting groove	⑦	cap
②	insulation coat	⑤	conductive film		
③	color code	⑥	ceramic base		

■ Feature

- "MOSC" is the miniaturized high power dissipation.
- The coating is flame proof (Silicon resin).
- It is equivalent to UL94V-0.
- Body color : Green

Type	Dimensions(mm)		
	L	D	d
MOSC1/2W	6.5±1.0	2.2±0.5	0.6 +0.1/-0.05
MOSC1W	9.0±1.0	3.5±1.0	0.65±0.1 / 0.8±0.1
MOSC2W	12.0±1.5	4.0±1.0	0.8±0.1
MOSC3W	15.0±1.5	5.5±1.0	0.8±0.1

■ Type Designation

Ex) MOSC1/2W 102 JTU

MOSC	1/2W	102	J	TU
Type	Power Rating	Resistance	Tolerance	Forming, Packaging
MINIATURE PAINT INSULATED METAL OXIDE FILM FIXED RESISTORS	1/2W: 0.5W 1W: 1W 2W: 2W 3W: 3W	102: 1kΩ E-24 series	G : ±2.0% J : ±5.0% K : ±10.0%	TU: 52mm Axial Taping TP: 26mm Axial Taping RP: Radial Taping RY: Radial Taping L: Stand-off forming

※Please refer to
General
Specifications.

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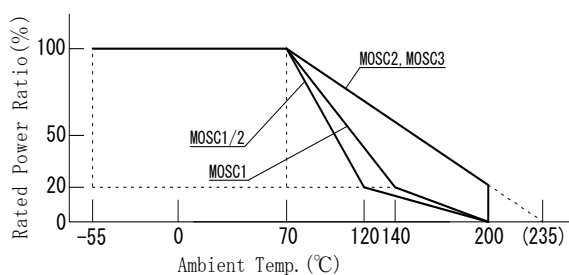
■ Power Rating

Type	Power Rating	Max. Operational Voltage	Max. Overload Voltage	Resistance Range [Ω]		T.C.R.	Rated Ambient Temp.	Operating Temp. Range
	[W]	[V]	[V]	G	J,K	[ppm/°C]	[°C]	[°C]
MOSC1/2W	0.5	250	400	0.2~10k	0.1~10k	±300	+70	-55~+200
MOSC1W	1.0	350	600	0.2~100k	0.1~100k			
MOSC2W	2.0	350	600	0.2~100k	0.1~100k			
MOSC3W	3.0	350	600	0.2~100k	0.1~100k			

※Rated Voltage : $\sqrt{P \cdot R}$ (P=Rated power (W), R=Nominal resistance (Ω))

※Metal plated film is used for the low resistance value(0.1~9.1 Ω).

■ Derating Curve



■ Performance

Items	Characteristics	Test method
Short-time over load	resistance change within ±1.0%	JIS C 5201-1 4.13 Rated voltage×2.5 5s
Resistance to soldering heat	resistance change within ±1.0%	JIS C 5201-1 4.18 260°C 10s
Damp heat (steady state)	resistance change within ±5.0%	JIS C 5201-1 4.24 40°C, 95%RH, 1,000h 1.5hON, 0.5hOFF cycle
Endurance (rated load)	resistance change within ±5.0%	JIS C 5201-1 4.25.1 70°C, 1,000h 1.5hON, 0.5hOFF cycle