



LIEAN-GIMN
ENTERPRISE CO., LTD.



[Company Profile](#)

[Our Products](#)

[Contact Us](#)

[Back Home](#)

Resistors
RoHS Compliant

Our Products

MO Series Flame-Proof Type Metal Oxide Film Resistors

METAL OXIDE FILM RESISTORS

MO Series (Flame-proof Type) :

1/4W; 1/2W, 1W, 2W, 3W, 5W

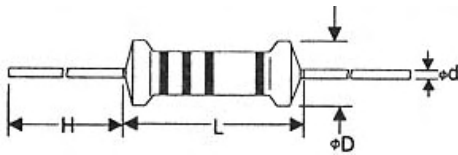
1/2WS, 1WS, 2WS, 3WS, 5WS, 7WS

MO-25, MO-50, MO-100, MO-200, MO-300, MO-500

INTRODUCTION

These Metal Oxide Resistors offer excellent performance in applications where stability and uniformity of characteristics are desired. They provide lower cost alternatives to Charbon Composition Resistors and General Purpose Metal Films. Metal Oxide also can replace many low power General Purpose Wirewound applications, saving both money and time, with shorter delivery cycles.

DIMENSIONS:



FEATURES

- * High power-to-size ratio for significant space savings.
- * Excellent long-term stability.
- * Complete flameproof construction.
- * High surge/overload capability.
- * Wide resistance range : $1\Omega \sim 180K\Omega$.
- * Standard tolerance : $\pm 5\%$, $\pm 2\%$

STYLE	DIMENSION (mm)				POWER RATING (Watt)	VALUE RANGE
	L	ϕD	H	ϕd		
MO-25	6.0 ± 0.2	2.3 ± 0.3	28 ± 2	0.5 ± 0.02	1/4W	180K
MO-50	9.5 ± 0.5	3.2 ± 0.5	26 ± 2	0.6 ± 0.02	1/2W	180K
MO-100	11.0 ± 0.5	4.5 ± 0.5	35 ± 2	0.7 ± 0.02	1W	180K
MO-200	15 ± 0.5	5.0 ± 0.5	32 ± 2	0.8 ± 0.02	2W	180K
MO-300	17 ± 0.5	6.0 ± 0.5	32 ± 2	0.8 ± 0.02	3W	180K
MO-500	25 ± 1.0	8.0 ± 0.5	35 ± 3	0.8 ± 0.02	5W	180K

ELECTRICAL CHARACTERISTICS :

Style	MO-25	MO-50	MO-100	MO-200	MF-300	MO-500
Power Rating 70°C	1/4W, 1/2WS	1/2W, 1WS	1W, 2WS	2W, 3WS	3W, 5WS	5W, 7WS
Operating Temp. Range	-55°C ~ +155°C					
Max. Working Voltage	250V	350V	350V	350V	500V	500V
Max. Overload Voltage	400V	700V	700V	700V	1000V	1000V
Dielectric Withstanding Voltage (AC)	300V	350V	350V	500V	1000V	1000V
Max. Intermittence Overload Voltage	400V	700V	1000V	1000V	1000V	1000V
Value Range $\pm 1\%$, $\pm 2\%$, $\pm 5\%$	$1\Omega \sim 510K\Omega$					
Temp. Coefficient (by Type)	$\pm 350\text{ppm}/^\circ\text{C}$					

FIG.1 DERATING CURVE

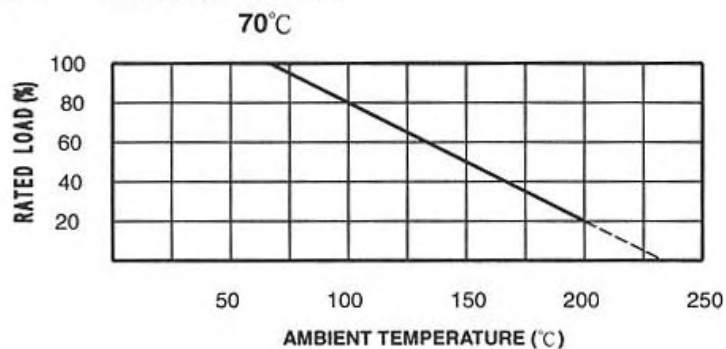
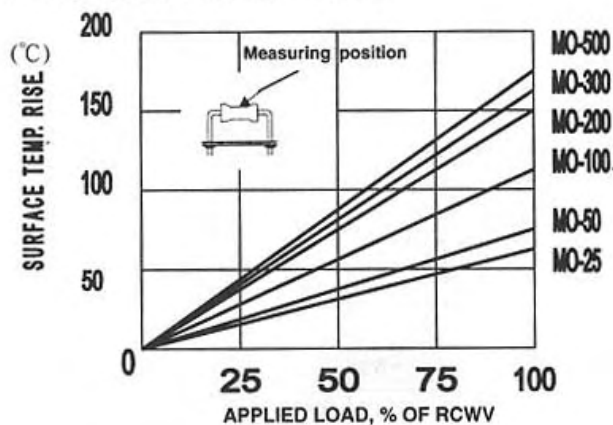


FIG.2 HOT-SPOT TEMPERATURE



HEAD OFFICE : 4F.No.163. SHING MING Rd. NEI-HU. TAIPEI TAIWAN. R.O.C.114
TAIWAN PLANT : NO.7, LANE 393, FU DER 1 RD., HSI CHI, TAIPEI HSIEN, TAIWAN, R.O.C.
TEL:+886/2/27936715(REP) FAX:+886/2/27936716
(DONGGUAN LIEAN GIMN ELECTRONIC CO., LTD.)
CHINA PLANT : NO. 71, ZHANG SHEN DA DAO CHUNG, ZHANG MOO TOU, DONG GUAN CITY, GUANGDONG PROVINCE, CHINA.
TEL:+86/769/8779-1341,8779-1345 FAX:+86/769/8779-1297
E-mail: liean@ms11.hinet.net
USA Representative:
USA Office: 112 W. Camden Forest Drive, Cary NC 27511
Phone/Fax 919-233-8277 Cell 919-274-7505
Email: jmanley@d-s-inc.com
India Representative : RADIUS INDUSTRIES
S-57, F.I.E.E., OKHLA INDUSTRIAL AREA,
PHASE-2, NEW DELHI-110020, INDIA.
Phone : 91-11-26383057, 26386843 Fax : 91-11-26389666
E-mail:radiusinternational@vsnl.com