

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

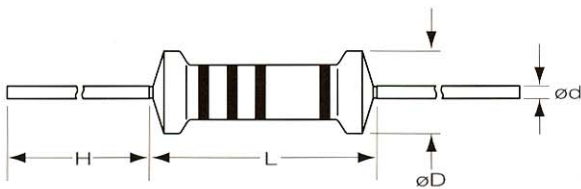
INTRODUCTION

These Metal Oxide Resistors offer excellent performance in applications where stability and uniformity of characteristics are desired. They provide lower cost alternatives to Carbon 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.

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 : $\pm 5\%$, $\pm 2\%$

DIMENSIONS:



STYLE	DIMENSION (mm)				POWER RATING (Watt)	VALUE RANGE
	L	øD	H	ød		
MO-25	6.0±0.2	2.3±0.3	28±2	0.5±0.02	1/4W, 1/2WS	180K
MO-50	9.5±0.5	3.2±0.5	26±2	0.6±0.02	1/2W, 1WS	180K
MO-100	11.0±0.5	4.5±0.5	35±2	0.7±0.02	1W, 2WS	180K
MO-200	15.0±0.5	5.0±0.5	32±2	0.8±0.02	2W, 3WS	180K
MO-300	17.0±0.5	6.0±0.5	32±2	0.8±0.02	3W, 5WS	180K
MO-500	25.0±1.0	8.0±0.5	35±3	0.8±0.02	5W, 7WS	180K

ELECTRICAL CHARACTERISTICS:

Style	MO-25	MO-50	MO-100	MO-200	MO-300	MO-500
Power Rating 70°C	1/4WS, 1/2WS	1/2WS, 1WS	1WS, 2WS	2W, 3WS	3W, 5WS	5WS, 7WS
Operating Temp. Range	-55°C ~ +155°C					
Max. Working Voltage	250V	350V	350V	350V	500V	600V
Max. Overload Voltage	400V	700V	700V	700V	1000V	500V
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 Ω ~510K Ω					
Temp. Coefficient (by Type)	± 350 ppm/°C					

FIG.1 DERATING CURVE

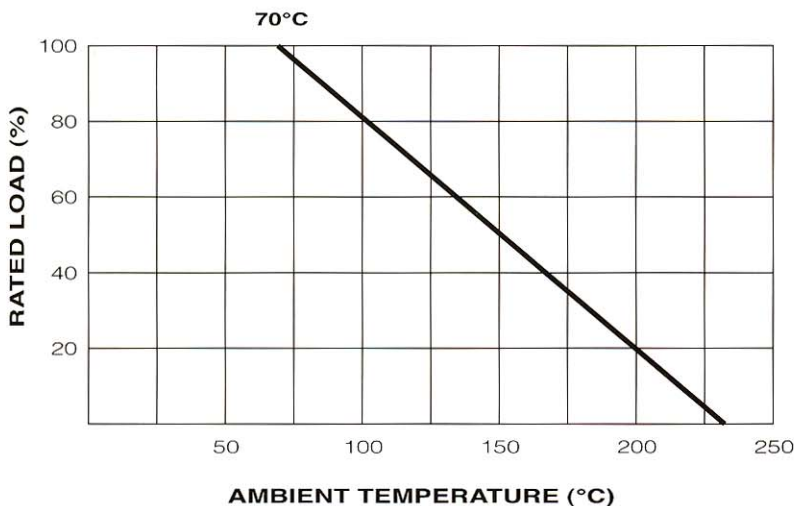


FIG.2 HOT-SPOT TEMPERATURE

