

METAL GLAZE RESISTORS

INTRODUCTION:

The WMG Series Metal Glaze Resistors are manufactured with the latest sintering process to get the most stable thick metal glaze film. The resistors are insulated with light blue lacquer.

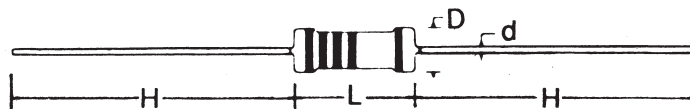
WMG series offers a wide range of power rating (0.25W, 0.50W, 1W, 2W & 3W) in tolerance $\pm 1\%$ and $\pm 5\%$ with TCR less than 100 ppm/ $^{\circ}\text{C}$.

SPECIFICATIONS

Type No.	Rated Power at 70°C	Maximum working Voltage	Maximum Over Load Voltage	Dielectric Voltage	Surge withstanding voltage			Range
					<1M	1M1-6M2	> 6M2	
WMG 25 / WMG 50M	0.25 W / 0.50 W	1500 V	3000 V	500 V	3000 V	4000 V	6000 V	50K- 1000M
WMG 50 / WMG 100M	0.50 W / 1 W	2000 V	4000 V	700 V	4000 V	5000 V	8000 V	50K- 1000M
WMG 100 / WMG 200M	1 W / 2W	3000 V	5000 V	1000 V	5000 V	6000 V	9000 V	50K- 1000M
WMG 200 / WMG 300M	2 W / 3 W	4000 V	8000 V	1000 V	8000 V	9000 V	10 KV	50K- 1000M

'M' under 'Type No.' denotes miniature size.

DIMENSIONS (in mm)



TYPE WMG 25 / WMG 50M	H = 26 ± 2	L = 6.0 ± 0.4	D = 2.2 ± 0.1	d = 0.50 ± 0.05
TYPE WMG 50 / WMG 100M	H = 26 ± 2	L = 9.0 ± 0.5	D = 3.2 ± 0.2	d = 0.60 ± 0.05
TYPE WMG 100 / WMG 200M	H = 26 ± 2	L = 11 ± 1.0	D = 4.3 ± 0.5	d = 0.65 ± 0.05
TYPE WMG 200 / WMG 300M	H = 26 ± 2	L = 15 ± 1.0	D = 5.0 ± 0.5	d = 0.75 ± 0.05

STANDARD RESISTANCE VALUES

E 24 Series

10	11	12	13	15	16	18	20	22	24	27	30
33	36	39	43	47	51	56	62	68	75	82	91

E 96 Series

100	102	105	107	110	113	115	118	121	124	127	130	133	137	140	143
147	150	154	158	162	165	169	174	178	182	187	191	196	200	205	210
215	221	226	232	237	243	249	255	261	267	274	280	287	294	301	309
316	324	332	340	348	357	365	374	383	392	402	412	422	432	442	453
464	475	487	499	511	523	536	549	562	576	590	604	619	634	649	665
681	698	715	732	750	768	787	806	825	845	866	887	909	931	953	976

Colour	1st figure	2nd figure	3rd figure	multiplier	Tolerance
Black	0	0	0	1	
Brown	1	1	1	10	±1%
Red	2	2	2	100	±2%
Orange	3	3	3	1,000	
Yellow	4	4	4	10,000	
Green	5	5	5	100,000	±0.5%
Blue	6	6	6	1,000,000	±0.25%
Violet	7	7	7	10,000,000	±0.1%
Gray	8	8	8		
White	9	9	9		
Gold				0.1	±5%
Silver				0.01	±10%

POWER DERATING

For resistors operated at ambient temperatures above 70°C, power rating must be derated in accordance with the curve below.

