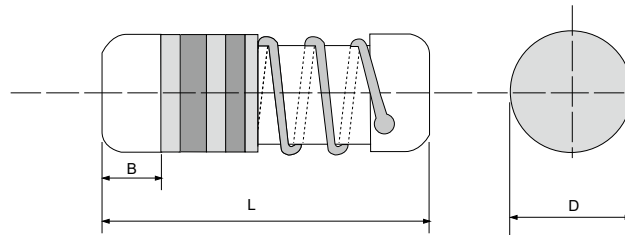


WIRE WOUND MELF RESISTORS

INTRODUCTION:

The WWS MELF series wire wound resistors are manufactured using high quality resistance wires wound on ceramic substrates. The resistors are coated using layers of Flame Proof Epoxy. The WWS MELF series resistors are suitable for surface mount technologies.



SPECIFICATIONS

Size	Power Rating at 70°C (W)	Dimensions (mm)			Ambient Temperature (°C)	Insulation voltage (V)	Resistance Range (Ω)
		L	D	B			Tolerances: 1% 2% 5%
0207	0.25W 0.5WS 1WSS	5.90 ± 0.5	2.20 ± 0.2	1.0 Min.	-55 ~ 155	250	0.22 ~ 100
0309	0.5W 1WS 2WSS 3WSSS	8.50 ± 0.5	3.0 ± 0.2	1.3 Min.	-55 ~ 155	350	0.22 ~ 300

ELECTRICAL PERFORMANCE

Tests	Condition	Spec.
Resistance Temp. CoeV.	-55°C ~ 200°C	± 200 ppm/°C
Short Time Overload	5 times of rated wattage for 5 sec for upto 3w 10 times of rated wattage for 5 sec. above 3w	± 2%
Rated Load	Rated voltage for 30 min.	± 0.5%
Load Life	70°C on-off cycle 1,000hrs.	± 3%

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