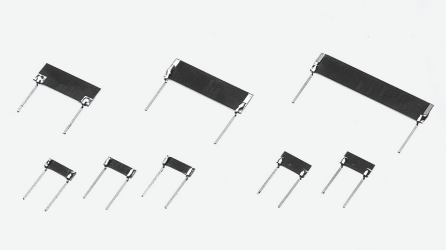
LM TYPE

Superhigh Precision Plate Resistors



The LM type resistors are superhigh precision plate resistors with simple structure.

■FEATURES

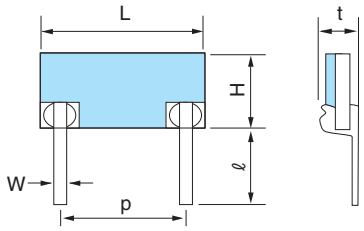
- ●Small temperature coefficient.
- ●Excellent moisture resistance.
- ●Excellent long-term stability.
- ●Useful as a high voltage load.

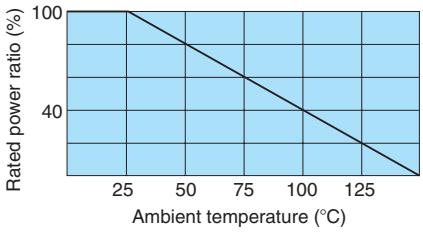
■CHARACTERISTICS

Item	Characteristics		Test method
	≦100MΩ	100MΩ<	
Operating temperature range	−55°C～+150°C		
Long-term stability	±0.1%	±1%	At normal temperature and humidity for10,000hr.
Moisture resistance	±0.1%	±1%	40°C, 90 ～ 95%RH, 1,000hr.
Heat cycle	±0.1%	±1%	−55°C～+150°C 5cycles
Resistance to soldering heat	±0.1%	±1%	260°C±5°C 10sec.
Temperature coefficient	※A B C D ±10 ±25 ±50 ±100 ppm/°C		Measured at 25°C and 75°C

■PRODUCTION DATA

●Shape





Type	Characteristics		Range of resistance values		Rated power	Max. working voltage	Voltage✻ coefficient	Dimensions (mm)						Resistance tolerance (%)
	Symbol	Temperature coefficient (ppm/°C)	Min. (MΩ)	Max. (MΩ)	(W)	DC (kV)	(ppm/V)	L	H	t	p	ℓ	W	
LM3	B	±25	0.5	10	0.15	0.5	<30	6.3 ±0.2	2.0 ±0.2	1.7 ±0.3	5.08 ±0.2	7.5 ±0.3	0.5 ±0.1	±0.1(B) ±0.25(C) ±0.5(D) ≦100MΩ
	C	±50	0.5	10										
	D	±100	0.5	1000										
LM5	B	±25	0.5	10	0.25	0.5	<20	6.3 ±0.2	3.1 ±0.2	1.7 ±0.3	5.08 ±0.2	7.5 ±0.3	0.5 ±0.1	
	C	±50	0.5	10										
	D	±100	0.5	1000										
LM10	B	±25	5	100	0.5	1.0	<5	12.7 ±0.2	5.0 ±0.2	1.8 ±0.3	10.16 ±0.2	7.5 ±0.3	0.5 ±0.1	±1(F) ±2(G) ±5(J) ±10(K) ≦1GΩ
	C	±50	5	100										
	D	±100	1	1000										
LM15	B	±25	5	100	0.75	1.5	<2	17.8 ±0.2	5.0 ±0.2	1.8 ±0.3	15.24 ±0.2	7.5 ±0.3	0.5 ±0.1	
	C	±50	5	100										
	D	±100	1	1000										
LM20	B	±25	5	100	1.0	2.0	<1	25.4 ±0.2	5.0 ±0.2	1.8 ±0.3	22.86 ±0.2	7.5 ±0.3	0.5 ±0.1	
	C	±50	5	100										
	D	±100	1	1000										

NOTICE: ※ Also consult your local dealer for the availability of resistors with a temperature coefficient of "A" characteristic(±10ppm/°C).
✻ The voltage coefficient are measured at rated voltage and 1/10 rated voltage.