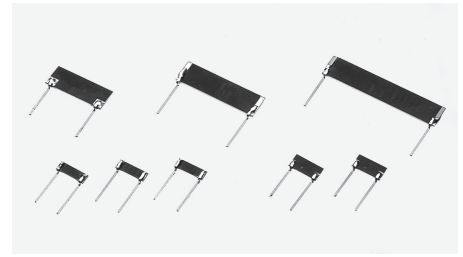


LM TYPE

Superhigh Precision Plate Resistors



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

FEATURES

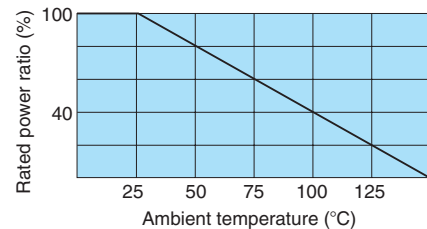
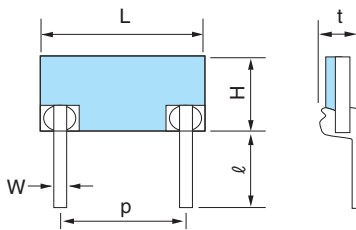
- Small temperature coefficient.
- Excellent moisture resistance.
- Excellent long-term stability.
- Useful as a high voltage load.

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 for 10,000hr.
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 (W)	Max. working voltage DC (kV)	Voltage coefficient (ppm/V)	Dimensions (mm)						Resistance tolerance (%)
	Symbol	Temperature coefficient (ppm/°C)	Min. (MΩ)	Max. (MΩ)				L	H	t	p	ℓ	W	
LM3	B	±25	0.5	10	0.15	0.5	0~-30	6.3	2.0	1.7	5.08	7.5	0.5	±0.1(B) ±0.25(C) ±0.5(D) ≤100MΩ ±1(F) ±2(G) ±5(J) ±10(K) ≤1GΩ
	C	±50	0.5	10				±0.2	±0.2	±0.3	±0.2	±0.3	±0.1	
	D	±100	0.5	1000				±0.2	±0.2	±0.3	±0.2	±0.3	±0.1	
LM5	B	±25	0.5	10	0.25	0.5	0~-20	6.3	3.1	1.7	5.08	7.5	0.5	
	C	±50	0.5	10				±0.2	±0.2	±0.3	±0.2	±0.3	±0.1	
	D	±100	0.5	1000				±0.2	±0.2	±0.3	±0.2	±0.3	±0.1	
LM10	B	±25	5	500	0.5	1.0	0~-5	12.7	5.0	1.8	10.16	7.5	0.5	
	C	±50	5	500				±0.2	±0.2	±0.3	±0.2	±0.3	±0.1	
	D	±100	1	1000				±0.2	±0.2	±0.3	±0.2	±0.3	±0.1	
LM15	B	±25	5	500	0.75	1.5	0~-2	17.8	5.0	1.8	15.24	7.5	0.5	
	C	±50	5	500				±0.2	±0.2	±0.3	±0.2	±0.3	±0.1	
	D	±100	1	1000				±0.2	±0.2	±0.3	±0.2	±0.3	±0.1	
LM20	B	±25	5	500	1.0	2.0	0~-1	25.4	5.0	1.8	22.86	7.5	0.5	
	C	±50	5	500				±0.2	±0.2	±0.3	±0.2	±0.3	±0.1	
	D	±100	1	1000				±0.2	±0.2	±0.3	±0.2	±0.3	±0.1	

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.