

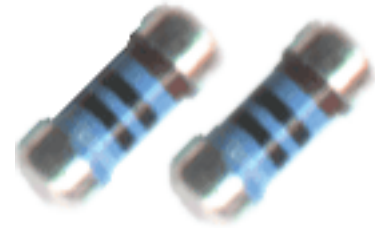


MELF Resistors

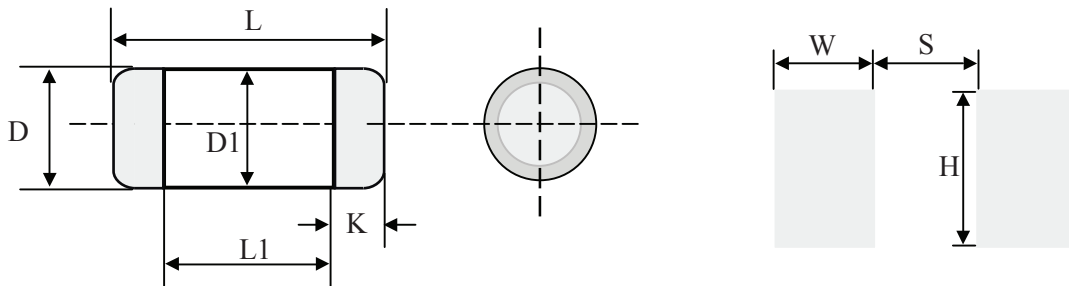
Metal Film RJM series - Melf Resistor / 超精密金属膜晶圆电阻

► Features

- Advanced thin film technology.
- Low TCR: lower than $\pm 5\text{ppm}/^\circ\text{C}$.
- Tolerance up to $\pm 0.05\%$.
- Power dissipation rating up to 5W.
- Excellent overall stability: Class 0.10.
- Wide resistance range: 0.1Ω to $22\text{M}\Omega$.
- Very high ratio of performance to price.



► RJM Resistor Quick Reference Data



Type	RJM72P	RJM73S	RJM73P	RJM74S	RJM74P	RJM16M	RJM17M	RJM18M
Metric type	DIN: 0102	DIN: 0204		DIN: 0207			DIN: 0411	
Rated dissipation P_{70}	0.125W	0.125W	0.25W	0.25W	0.50W	1.0W	2.0W	3.0W
Resistance range (Ω)	10 ~ 1M	0.1 ~ 10M		0.1 ~ 22M			0.1 ~ 22M	
Resistance tolerance (%)	J (± 5); F (± 1); D (± 0.5); C (± 0.25); B (± 0.10); A5 (± 0.05)							
Temperature coefficient (ppm/ $^\circ\text{C}$)	C2 (± 50); C3 (± 25); C5 (± 15); C6 (± 10); C7 (± 5)							
Climatic category (LCT/UCT/days)	55 / 125 / 56							
Operating voltage U_{max}	200V	200V	250V	250V	300V	350V	400V	450V
Temperature range	-55 $^\circ\text{C}$ to 125 $^\circ\text{C}$							
Insulation voltage (V)	300	300	300	300	600	700	800	900
Insulation resistance	>1G Ω							
Dimension (mm)	L(± 0.3)	2.2	3.5	5.7	6.0	8.7	11.8	
	L1(± 0.3)	1.0	1.6	2.9	3.3	4.9	8.1	
	D(± 0.3)	1.3	1.3	2.1	2.1	3.1	3.6	
	K(± 0.2)	0.4	0.8	1.3	1.3	1.8	1.8	
	D1(± 0.1)	D+0/D-0.15	D+0/D-0.25	D+0/D-0.5	D+0/D-0.5	D+0/D-0.5	D+0/D-0.5	D+0/D-0.5
Soldering bath (recommended) (mm)	S	1.0	1.6	2.6	2.8	5.6	8.2	
	W	2.0	2.5	2.5	2.8	3.2	4.0	
	H	2.0	2.5	2.5	2.8	3.8	4.5	

Notice • Resistance out of range, tolerance and temperature coefficient match are under request.
 • RJM72 is still in trial production.



MELF Resistors

► How to Order

RJM74P	10R	D	C6	T
①	②	③	④	⑤

① Product type: RJM72P, RJM73S, RJM73P, RJM74S, RJM74P, RJM16M, RJM17M, RJM18M

② Resistance Value : 10Ω ~ 1MΩ, 0.1Ω ~ 10MΩ, 0.1Ω~ 22MΩ, 0.1Ω~ 22MΩ

③ Resistance Tolerance (%)

Code	Resistance Tolerance
J	±5%
F	±1%
D	±0.5%
C	±0.25%
B	±0.10%
A5	±0.05%

④ Temperature coefficient (ppm/°C)

Code	Temperature coefficient
C2	±50 ppm/°C
C3	±25 ppm/°C
C5	±15 ppm/°C
C6	±10 ppm/°C
C7	±5 ppm/°C

⑤ Packaging

Code	Packaging
T	Taping Reel
P	Bulk

