



# MELF Resistors

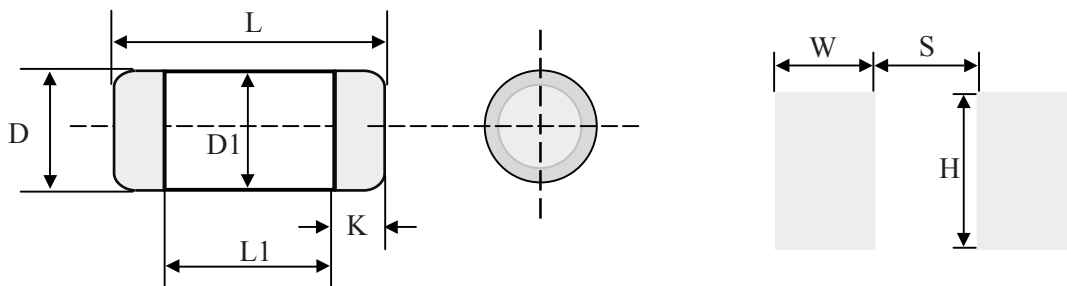
## Metal Glaze Film - RGM series Pulse Melf Resistors / 玻璃釉膜晶圓电阻

### ► Features

- Advanced metal glaze film technology.
- High pulse loading capability.
- Wide resistance range: 50kΩ to 1GΩ.
- Tolerance up to ±0.5%.
- Power dissipation rating at 70°C up to 3W.
- Larger power dissipation under request.
- Maximum working voltage over 10000V.
- Small size.



### ► RGM Resistors Quick Reference Data



Type	RGM72	RGM73	RGM74	RGM16M	RGM17M	RGM18M	
Resistance range (Ω)	50k ~ 200M	50k ~ 200M	50k ~ 1G	50k ~ 1G	100k ~ 2G	50k ~ 2G	
Resistance Tolerance	D(±0.5%); F(±1%); J(±5.0%); K(±10%)						
Temperature coefficient	±100ppm/°C; ±200ppm/°C						
Rated dissipation (W) $P_{70}$	0.125	0.25	0.50	1.0	2.0	3.0	
Operating voltage (V) $U_{max}$	400	800	1500	3000	6000	10000	
Short time over load voltage (V)	800	1500	3000	6000	10000	20000	
Operating Temperature range	-55°C ~ 155°C						
Endurance, Max, resistance change at $P_{70}$ $\Delta R/R$ max., after 1000h	50k Ω ~ 10M Ω	50k Ω ~ 10M Ω	50k Ω ~ 22M Ω	50k Ω ~ 22M Ω	50k Ω ~ 22M Ω	50k Ω ~ 22M Ω	
Insulation voltage	>500V						
Insulation resistance	>1GΩ						
Dimension Max.(mm)	L	2.2	3.5	5.5	5.9	8.6	11.6
	L1	1.0	1.6	3.5	3.9	6.2	8.8
	D	1.3	1.3	2.1	2.1	3.1	3.6
	K	0.4	0.8	1.0	1.2	1.5	1.6
	D1	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
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



# MELF Resistors

## ► How to Order

RGM16M

①

1MR

②

J

③

T

④

① Product type: RGM72, RGM73, RGM74, RGM16M, RGM17M, RGM18M

② Resistance Value: 50kΩ ~ 200MΩ, 50kΩ ~ 200MΩ, 50kΩ~ 1GΩ, 50kΩ~ 1GΩ, 100kΩ~ 2GΩ, 50kΩ~ 2GΩ

③ Resistance Tolerance (%)

Code	Resistance Tolerance
D	±0.5%
F	±1%
J	±5.0%
K	±10%

④ Packaging

Code	Packaging
T	Taping Reel
P	Bulk

