

## ULTRA HIGH WORKING VOLTAGE, ULTRA HIGH OHM VALUE MELF TYPE METAL GLAZE FILM RESISTORS

金屬鈹膜高壓MELF電阻  
金屬鈹膜高壓晶圓電阻

### QUICK REFERENCE DATA

技術參數

Type	RGM73	RGM74	RGM16	RGM17	RGM18	型號	
Metric type	DIN: 0207	DIN: 0411	DIN: 0617	DIN: 0823		德國工業標準型號	
Resistance range	50k $\Omega$ to 200M $\Omega$	50k $\Omega$ to 1G $\Omega$	50k $\Omega$ to 1G $\Omega$	100k $\Omega$ to 2G $\Omega$	100K $\Omega$ to 2G $\Omega$	阻值範圍	
Resistance tolerance	D( $\pm 0.5\%$ ); F( $\pm 1\%$ ); J( $\pm 5.0\%$ ); K( $\pm 10\%$ )					精度	
Temperature coefficient	$\pm 50\text{ppm}/^\circ\text{C}$ ; $\pm 100\text{ppm}/^\circ\text{C}$ ; $\pm 200\text{ppm}/^\circ\text{C}$					溫度系數	
Rated dissipation, $P_{70}$	0.25W	0.50W	1.0W	2.0W	3.0W	70 $^\circ\text{C}$ 以下額定功率	
Max. operating voltage	1600V <sub>DC</sub>	3500V <sub>DC</sub>	7000V <sub>DC</sub>	10000V <sub>DC</sub>	15000V <sub>DC</sub>	最大工作電壓	
Max Short time overload voltage	3200V <sub>DC</sub>	5000V <sub>DC</sub>	7000V <sub>DC</sub>	10000V <sub>DC</sub>	15000V <sub>DC</sub>	最大短時間過載電壓	
Operating Temperature range	-55 $^\circ\text{C}$ to 155 $^\circ\text{C}$					工作溫度範圍	
Endurance	50k $\Omega$ to 10M $\Omega$	50k $\Omega$ to 22M $\Omega$	50k $\Omega$ to 22M $\Omega$	50k $\Omega$ to 22M $\Omega$	50k $\Omega$ to 22M $\Omega$	耐久性實驗	
Max resistance change at $P_{70}$	$\leq 1.50\%$					1000小時後阻值變化量	
$\Delta R/R_{\text{max}}$ , after 1000h							
Insulation voltage	$> 500\text{V}$					絕緣耐壓	
Insulation resistance	$> 1\text{G}\Omega$					絕緣阻抗	
Dimension	$\pm 0.2(\text{mm})$	L=5.7; L <sub>1</sub> =3.3; D=2.1	L=8.7; L <sub>1</sub> =6.; D=3.1	L=10.8; L <sub>1</sub> =7.0; D=3.6	L=14.8; L <sub>1</sub> =10.6; D=4.6	L=23.8; L <sub>1</sub> =18.8; D=7.7	$\pm 0.2(\text{mm})$
		D <sub>1</sub> =D+0/-0.15; K <sub>min</sub> =1.0	D <sub>1</sub> =D+0/-0.2; K <sub>min</sub> =1.2	D <sub>1</sub> =D+0/-0.25; K <sub>min</sub> =1.3	D <sub>1</sub> =D+0/-0.25; K <sub>min</sub> =1.5	D <sub>1</sub> =D+0/-0.25; K <sub>min</sub> =1.5	
Soldering bath (recommended)	S=2.6; W=3.2; H=3.2	S=5.6; W=3.2; H=4.5	S=8.2; W=4; H=5	S=11; W=4; H=6	S=8.2; W=6; H=9	建議焊盤尺寸	


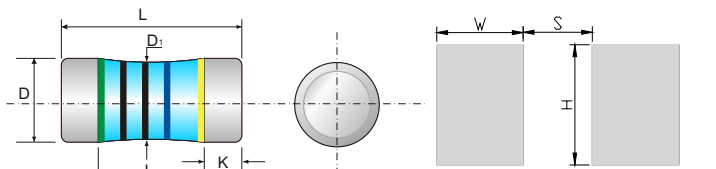

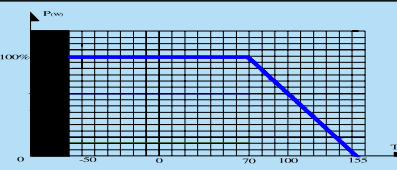
## ULTRA HIGH WORKING VOLTAGE and OHM VALUE SMALL SIZE METAL GLAZE FILM RESISTORS

小型化金屬鈹膜高壓MELF電阻  
小型化金屬鈹膜高壓晶圓電阻

### QUICK REFERENCE DATA

技術參數

Type	RGM74S	RGM16S	RGM17S	RGM18S	型號	
DIN type	DIN: 0207	DIN: 0411	DIN: 0617	DIN: 0823	德國工業標準型號	
Resistance range	50k $\Omega$ to 1G $\Omega$	50k $\Omega$ to 1G $\Omega$	100k $\Omega$ to 2G $\Omega$	100K $\Omega$ to 2G $\Omega$	阻值範圍	
Resistance tolerance	D( $\pm 0.5\%$ ); F( $\pm 1\%$ ); J( $\pm 5.0\%$ ); K( $\pm 10\%$ )				精度	
Temperature coefficient	$\pm 100\text{ppm}/^\circ\text{C}$ ; $\pm 200\text{ppm}/^\circ\text{C}$				溫度系數	
Rated dissipation, $P_{70}$	0.50W	1.0W	2.0W	3.0W	70 $^\circ\text{C}$ 以下額定功率	
Max. operating voltage	1600V <sub>DC</sub>	3500V <sub>DC</sub>	7000V <sub>DC</sub>	10000V <sub>DC</sub>	最大工作電壓	
Max. short time over load voltage	3200V <sub>DC</sub>	6000V <sub>DC</sub>	10000V <sub>DC</sub>	10000V <sub>DC</sub>	最大短時間過載電壓	
Operating Temperature range	-55 $^\circ\text{C}$ to 125 $^\circ\text{C}$				工作溫度範圍	
Endurance	50k $\Omega$ to 22M $\Omega$	50k $\Omega$ to 22M $\Omega$	50k $\Omega$ to 22M $\Omega$	50k $\Omega$ to 22M $\Omega$	耐久性實驗	
Max resistance change at $P_{70}$	$\leq 1.50\%$				1000小時後阻值變化量	
$\Delta R/R_{\text{max}}$ , after 1000h						
Insulation voltage	$> 500\text{V}$				絕緣耐壓	
Insulation resistance	$> 1\text{G}\Omega$				絕緣阻抗	
Dimension	$\pm 0.3(\text{mm})$	L=5.7; L <sub>1</sub> =2.9; D=2.1	L=8.7; L <sub>1</sub> =4.9; D=3.1	L=10.8; L <sub>1</sub> =6.1; D=4.1	L=14.8; L <sub>1</sub> =10; D=4.6	$\pm 0.3(\text{mm})$
		D <sub>1</sub> =D+0/-0.15; K <sub>min</sub> =1.0	D <sub>1</sub> =D+0/-0.15; K <sub>min</sub> =1.2	D <sub>1</sub> =D+0/-0.2; K <sub>min</sub> =1.3	D <sub>1</sub> =D+0/-0.2; K <sub>min</sub> =1.3	
Soldering bath (recommended)	S=2.9; W=3.2; H=3.2	S=5; W=4; H=4.5	S=6.1; W=4.5; H=4.5	S=10; W=5; H=6	建議焊盤尺寸	

Outlines 		外觀 
Derating curve		降功率曲线