

Feature (特性)

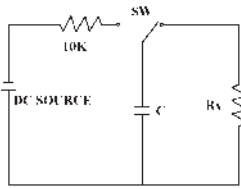
- Provide high stable performance against environment conditions & overload voltage
耐高压，稳定性强，抗湿热高温环境
- Can withstand High Surge Voltage
可承受高浪涌电压
- Width resistance range & low TCR
阻值范围宽，温度系数低



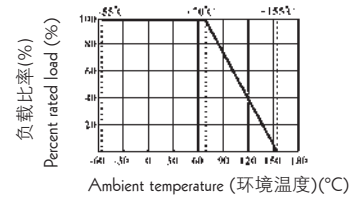
- 5 band color code for $\pm 5\%$ tolerance, and last band Black color for identification
公差 $\pm 5\%$ 有五道色码，最后一道以黑色标示

- Standard 5 band color code for $\pm 1\%$ tolerance
公差 $\pm 1\%$ 有五道色码

Surge Withstanding Voltage (承受浪涌电压)



Derating Curve (降功率曲线)



- Normal Size: the discharge cycle is repeated in above circuit: 2.5 seconds "ON", 2.5 seconds "OFF", 50 cycles, C=0.001uf
正常尺寸: 上图中充放电回路: 2.5秒"通", 2.5秒"断", 50次循环, 电容容值C=0.001uf
- Small Size: the discharge cycle is repeated in above circuit: 2.5 seconds "ON", 2.5 seconds "OFF", 10 cycles, C=0.01uf
小型化产品: 上图中充放电回路: 2.5秒"通", 2.5秒"断", 10次循环, 电容容值C=0.01uf
- The applied DC source voltage is shown as below table (电路中的直流电压如下表“承受浪涌电压”所述)

Specification (性能)

Part No. 料号	Type 型号	Power Rating 功率 70°C	Dimension(尺寸)(mm)				Max. Working Voltage 最大工作电压	Max. Overload Voltage 最大过负荷电压	Dielectric Withstanding Voltage 绝缘耐压	Surge Withstanding Voltage 浪涌电压	Resistance Range 阻值范围
			D	L	d ± 0.05	H ± 3					
Normal Size (正常尺寸)											
MGR 0W4	MGR 25	1/4W	2.2 ± 0.5	6.5 ± 1.0	0.54	28	500V	700V	500V		
MGR 0W2	MGR 50	1/2W	3.0 ± 0.6	9.5 ± 1.0	0.54	28	700V	1,000V	700V		1K-100M ($\pm 5\%$, $\pm 10\%$)
MGR 01W	MGR-100	1W	4.0 ± 0.6	11.5 ± 1.0	0.65	28	1,000V	1,400V	700V	100K-100M: 10,000V	
MGR 02W	MGR-200	2W	5.0 ± 0.6	15.5 ± 1.0	0.75	28	1,000V	1,400V	700V		100K-1M($\pm 1\%$)
MGR 03W	MGR-300	3W	6.0 ± 0.6	17.5 ± 1.0	0.75	28	1,000V	1,400V	700V		
Small Size & Ultra Small Size (小型化及超小型化尺寸)											
MGR0U2	MGR-50-SS	1/2W	2.2 ± 0.5	6.5 ± 1.0	0.54	28	500V	700V	500V	100K-1M:3,000V 1M1-6M2:4,000V $\geq 6M8$: 6,000V	1K-33M ($\pm 5\%$, $\pm 10\%$)
MGR0S2	MGR-50-S	1/2W	3.0 ± 0.5	9.0 ± 1.0	0.54	28	500V	700V	500V	100K-1M:3,000V 1M1-6M2:4,000V $\geq 6M8$: 6,000V	100K-1M ($\pm 1\%$)
MGR01U	MGR-100-SS	1W	3.5 ± 0.6	9.5 ± 1.0	0.54	28	700V	1,000V	700V	100K-1M:4,000V 1M1-6M2:5,000V $\geq 6M8$: 8,000V	
MGR01S	MGR-100-S	1W	3.5 ± 0.6	9.5 ± 1.0	0.60	28	700V	1,000V	700V		
MGR02U	MGR-200-SS	2W	4.0 ± 0.6	11.5 ± 1.0	0.65	28	1,000V	1,400V	700V	100K-1M:5,000V 1M1-6M2:6,000V $\geq 6M8$: 9,000V	1K-33M ($\pm 5\%$, $\pm 10\%$)
MGR02S	MGR-200-S	2W	4.5 ± 0.6	11.5 ± 1.0	0.65	28	1,000V	1,400V	700V		
MGR03U	MGR-300-SS	3W	4.5 ± 0.6	11.5 ± 1.0	0.75	28	1,000V	1,400V	700V	100K-1M:5,000V 1M1-6M2:6,000V $\geq 6M8$: 9,000V	100K-1M ($\pm 1\%$)
MGR03S	MGR-300-S	3W	5.0 ± 0.6	15.5 ± 1.0	0.75	28	1,000V	1,400V	700V	100K-1M:8,000V 1M1-6M2:9,000V $\geq 6M8$:10,000V	

Performance Specifications (性能)

Temperature coefficient	温度系数	$\leq \pm 200\text{PPM}/^\circ\text{C}$
Short-time overload	短时间过负荷	$\Delta R/R \leq \pm(1\%+0.05\Omega)$, with no evidence of mechanical damage (无可见机械损伤)
Dielectric withstanding voltage	绝缘耐压	No evidence of flashover, mechanical damage, arcing or insulation breakdown (无击穿、飞弧及可见机械损伤)
Pulse overload	脉冲过负荷	$\Delta R/R \leq \pm(2\%+0.05\Omega)$, with no evidence of mechanical damage (无可见机械损伤)
Terminal strength	端子强度	No evidence of mechanical damage (无可见机械损伤)
Soldering heat	耐焊接热	$\Delta R/R \leq \pm(1\%+0.05\Omega)$, with no evidence of mechanical damage (无可见机械损伤)
Solderability	可焊性	Min. 95% coverage (最少 95% 覆盖率)
Resistance to solvent	耐溶剂	No deterioration of protective coating and marking (包封层, 色码完整)
Temperature cycling	温度循环	$\Delta R/R \leq \pm(1\%+0.05\Omega)$, with no evidence of mechanical damage (无可见机械损伤)
Load life in humidity	湿度寿命	$\Delta R/R \leq \pm(5\%+0.05\Omega)$, with no evidence of mechanical damage (无可见机械损伤)
Load life	负载寿命	$\Delta R/R \leq \pm(5\%+0.05\Omega)$, with no evidence of mechanical damage (无可见机械损伤)

Ordering Procedure (Example: MGR 1W 5% 27M Ω T/B-1000)

订购方式 (例如: MGR 1W 5% 27M Ω T/B-1000)

