

Featured Products



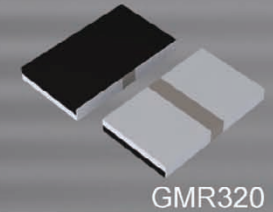
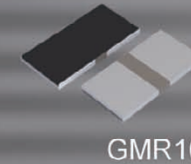
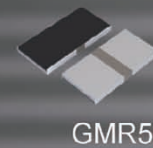
High power 3W design ideal for high accuracy current detection

High Power Low Ohmic Shunt Chip Resistors

GMR100

Features high power capability with resistance range* ideal optimized for current detection

*5 to 220mΩ (E6 Series Equivalent)



High heat dissipation

Superior thermal dissipation materials and structure ensure stable measurement

Low TCR

Achieves high accuracy and reliability with less susceptibility to temperature ($\pm 20\text{ppm}/^\circ\text{C}$)

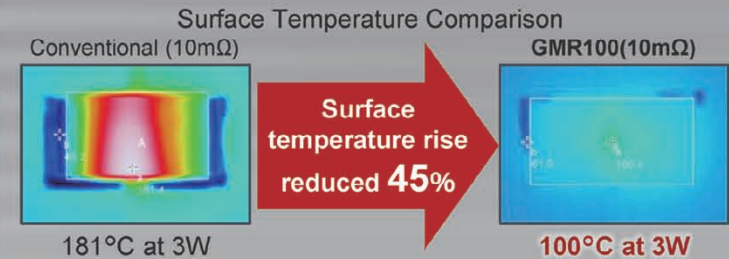
Thinner

Original design minimizes thickness, reducing mounting area and increasing design flexibility

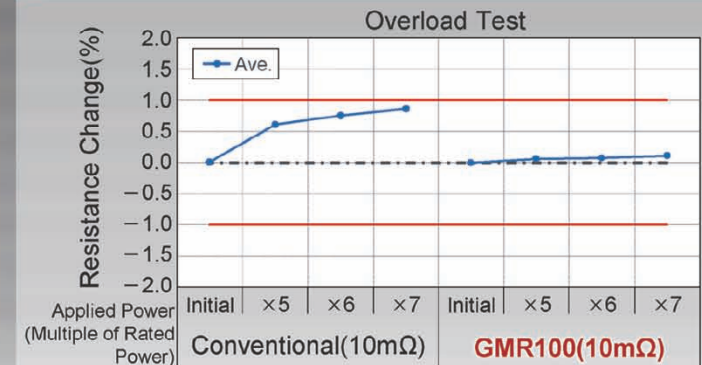
High breakdown resistance

Strong against overload with remarkable breakdown resistance

Excellent Heat Dissipation



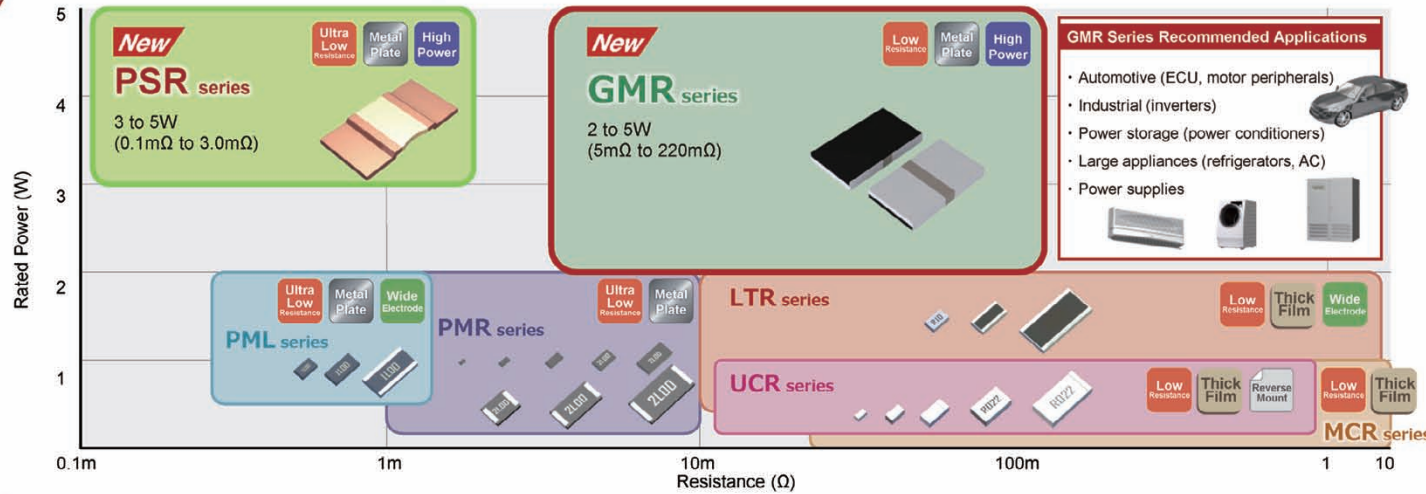
Strong Against Overload Current



Part No.	Size Code inch(mm)	Rated Power (70°C)	Tolerance	Temperature Coefficient (ppm/°C)	Resistance Range (mΩ)	Operating Temperature (°C)
☆ GMR50	2010 (5025)	2W	F(±1%)	0 to +50 ±25	5 10 to 200(E6 Series ^{*2*3})	-55 to +170
New GMR100	2512 (6432)	3W	F(±1%)	0 to +50 ±20	☆5 10 to 220(E6 Series ^{*2})	
☆ GMR320	2817 (7142)	5W	F(±1%)	0 to +100 ±25	5 10 to 100(E6 Series ^{*2*3})	

*1 (+20°C to +60°C) *2 Please contact us for non-standard nominal resistance values. *3 The development schedule will vary depending on resistance value.
 ☆: Under Development (Development schedule will vary depending on resistance value. Please contact us for more details.)

ROHM Low Resistance Development Map



ROHM Low Ohmic Resistor Lineup (Part No. / Package Size mm [inch])

Rated Power (W)	Resistance [Ω]					
	0.1m	1m		10m		100m
5	0.1m PSR600 / 16x7.75[693.1]	2m	5m	*GMR320 / 7142[28.17]		100m
4	0.2m PSR400 / 10x6.2[292.1]	3m	5m	GMR100 / 8432[26.12]		200m
3	0.3m PSR100 / 8432[26.12]	2m	5m	*GMR50 / 5025[20.10]		200m
2	PML100 / 3264[122.9]	1m	2m	5m	10m	100m
1.5	0.5m PML50 / 2550[102.0]	2m	5m	10m	100m	910m
1	1m	2m	5m	10m	100m	910m
0.66	0.5m PML10 / 1632[66.12]	2m	5m	10m	100m	910m
0.5	2m	5m	10m	100m	910m	910m
0.33	10m	20m	100m	200m	910m	910m
0.25	10m	20m	100m	200m	910m	910m
0.2	10m	20m	100m	200m	910m	910m
0.125	10m	20m	100m	200m	910m	910m
0.1	10m	20m	100m	200m	910m	910m
0.063	10m	20m	100m	200m	910m	910m
0.05	10m	20m	100m	200m	910m	910m

*Under Development: Please note that for models under development, specifications are subject to change without notice. Contact us for more information.

The content specified in this document is correct as of October 1st, 2017.



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