

# ANTI-SURGE THIN FILM CHIP RESISTORS



Susumu Co. Ltd is world wide recognized as an expert in thin film chip resistors with unmatched reliability and stability. By their more than 50 years long experience, Susumu successfully advances and enhances their products on a regular base. This results in periodically announced new products such as the new MRG series. In addition to the well-known advantages of Susumu thin film technology, the MRG type offers a significant improvement of anti surge capability compared to other thin film chip resistors.

With the available case size 0805, 1206 and 2010, it is possible to replace precision MELF resistors.

## FEATURES

- » Significant improvement of anti-surge capability comparing to existing thin film resistors
- » Precision resistance tolerance:  $\pm 0,1\%$ , very small TCR of  $\pm 10$  ppm/ $^{\circ}\text{C}$
- » Thin film structure enabling low noise
- » Anti-sulfur

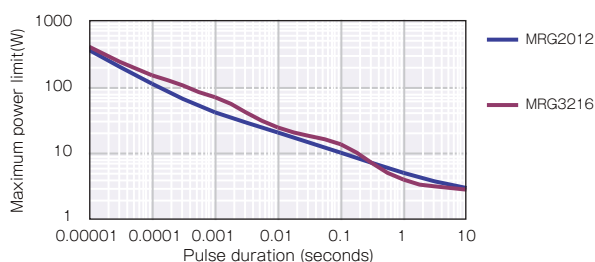
## APPLICATIONS

- » Power source related devices
- » Automotive electronics
- » Robotics
- » Industrial control systems

## SPEZIFIKATIONEN

	TYPE	POWER	R-TOLERANCE	TCR	R-VALUES	MAX. VOLTAGE	OPERAT. TEMPERATURE
MRG2012	1/10W	$\pm 0.1\%$ (B) $\pm 0.5\%$ (D)	$\pm 10$ ppm/ $^{\circ}\text{C}$ (N) $\pm 25$ ppm/ $^{\circ}\text{C}$ (P)	$100\ \Omega \leq R \leq 1\ \text{M}\Omega$	150V	-55 $^{\circ}\text{C}$ ... +155 $^{\circ}\text{C}$	
MRG3216	1/8W	$\pm 0.1\%$ (B) $\pm 0.5\%$ (D)	$\pm 10$ ppm/ $^{\circ}\text{C}$ (N) $\pm 25$ ppm/ $^{\circ}\text{C}$ (P)	$100\ \Omega \leq R \leq 2\ \text{M}\Omega$	200V		
MRG5025	1/2W	$\pm 0.1\%$ (B) $\pm 0.5\%$ (D)	$\pm 10$ ppm/ $^{\circ}\text{C}$ (N) $\pm 25$ ppm/ $^{\circ}\text{C}$ (P)	$100\ \Omega \leq R \leq 2\ \text{M}\Omega$	300V		

### MAXIMUM PULSE POWER LIMIT (SINGLE P.)



### MAXIMUM PULSE POWER LIMIT (MULTIPLE P.)

