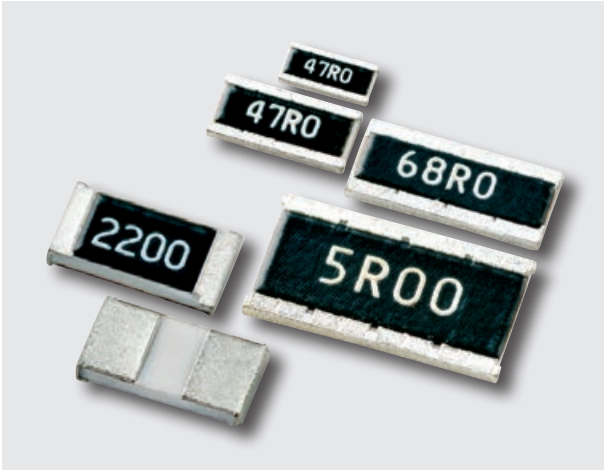


HIGH POWER THIN FILM CHIP RESISTORS – PRG/HRG SERIES



The new Susumu high power thin film chip resistor are designed to meet the high power rating that applications like inverter, DC motor driver or automotive electronics require. Being optimized for high power handling capability, PRG and HRG series bring also all the well known advantages of the thin film technology such as tight tolerance, excellent TCR, very high reliability and low current noise with them.

Features:

- PRG with long side terminal
- HRG with wider short side terminals
- Full AEC-Q200 compliant
- TCR 25 ppm/K to 50 ppm/K (10 ppm/K on request)
- Very high reliability / waste gas proof
- Can reduce the board space and/or number of components used

Applications:

- Automotive electronics, e.g. LED Lighting
- DC Motor Drivers
- Inverter
- Robotics
- Industrial controls
- Suitable to use in snubber circuits

	TYPE	POWER RATINGS (W)	TEMPERATURE COEFFICIENT OF RESISTANCE (PPM/°C)	RESISTANCE RANGE Ω	RESISTANCE TOLERANCE / ±0.1% (B)	RESISTANCE RANGE Ω	RESISTANCE TOLERANCE / ±0.5% (D)	MAXIMUM VOLTAGE	OPERATING TEMPERATURE	PACKAGING QUANTITY
ELECTRICAL SPECIFICATION										
PRG2010	0.5	+25(P) +50(Q)	47≤R≤25k	10≤R≤25k 2.5≤R≤25k	75V	-55°C - 155°C				T5
PRG3216	1.0	+25(P) +50(Q)	47≤R≤100k	10≤R≤100k 2.5≤R≤100k	100V					
PRG5020	1.5 ... 2.0	+25(P) +50(Q)	47≤R≤200k	10≤R≤200k 2.5≤R≤200k	150V					
PRG6432	2.0 ... 3.0	+25(P) +50(Q)	47≤R≤250k	10≤R≤250k 2.5≤R≤250k	200V					
HRG3216	1.0	+25(P) +50(Q)	47≤R≤100k 47≤R≤100k	10≤R≤100k 10≤R≤100k	200V					