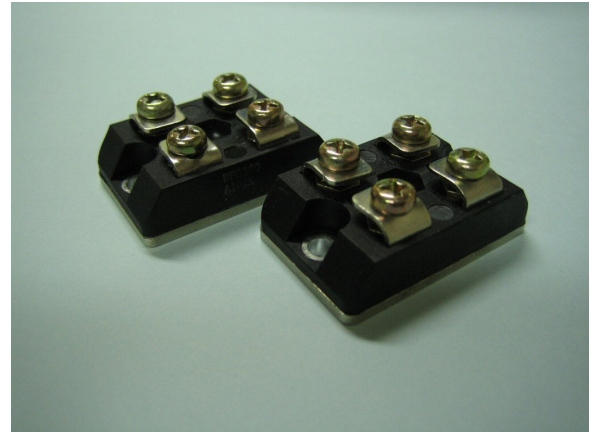


250W, 300W 高電力抵抗器

CHASSIS MOUNTING NON-INDUCTIVE
HIGH POWER RESISTORS

RPG250, RPG300



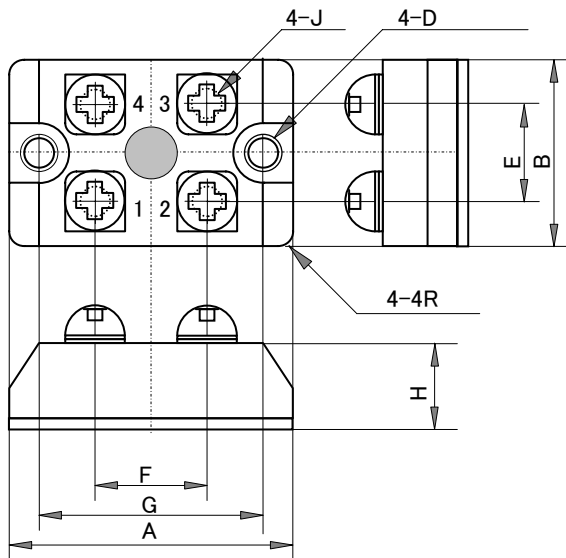
特長・用途

TO227 型、放熱シャーシ取付方式の 300W (1 抵抗器) 250W (2 個の抵抗器) 高電力抵抗器。
 小型ですから、直列インダクタンスは少なく、パルス回路、高周波回路に最適。
 2 個の M4 ねじ簡単に取り付けることが可能。
 抵抗器の高さは端子面で 14mm ときわめて低く、端子は銅板ブスバーに直接 M4 ねじで取付可能。
 端子の数は、標準は 4 個であって、2 個、3 個に変更可能。端子数を変更する場合の形名称は、工場にお問い合わせください。
 パワーエレクトロニクスのスナバ抵抗、ゲート抵抗、インバータのブリーダ抵抗、スピーカシステムの負荷抵抗、ダンピング抵抗など。

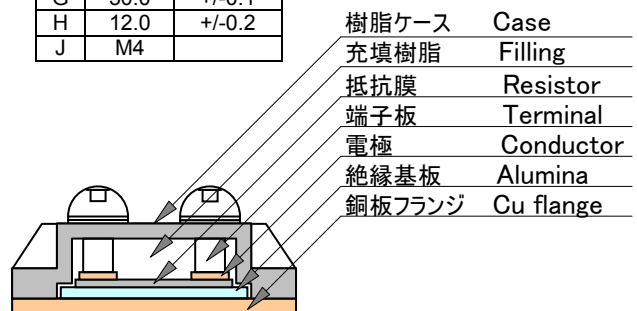
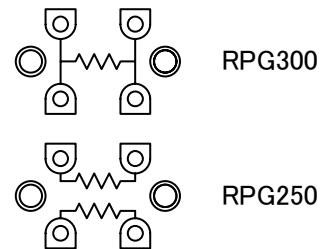
Features and Applications

Small size TO227, 200W high power resistor. Attaching an air-cooled heat sink or water-cooling is necessary. Rated power is 300W (one element) or 250W (two elements).
 M4 screw terminals, very low series inductance. Higher density packing, vibration-proof and perfect heat dissipation possible.
 Applications include snubber resistors for power supplies, gate resistors, pulse generators, high frequency amplifiers, dumping resistance of theater audio equipment of dividing network of loud speaker systems, etc.

外形寸法と回路 Dimensions



	mm	+/- mm
A	38.0	+/-0.2
B	25.0	+/-0.2
C	(14.0)	+/-0.5
D	4.2	+/-0.1
E	13.0	+/-0.3
F	15.0	+/-0.4
G	30.0	+/-0.1
H	12.0	+/-0.2
J	M4	



形名称 Ordering Information

P/N	Type	TCR	Resistance	Tolerance	Note
RPG250A10+10ohmJ	RPG250	A(100ppm/K)	10+10ohm	J(5%)	Two resistors
RPG250A50+50ohmJ	RPG250	A(100ppm/K)	50+50ohm	J(5%)	Two resistors
RPG300A50ohmJ	RPG300	A(100ppm/K)	50ohm	J(5%)	One resistor
RPG300A100ohmJ	RPG300	A(100ppm/K)	100ohm	J(5%)	One resistor

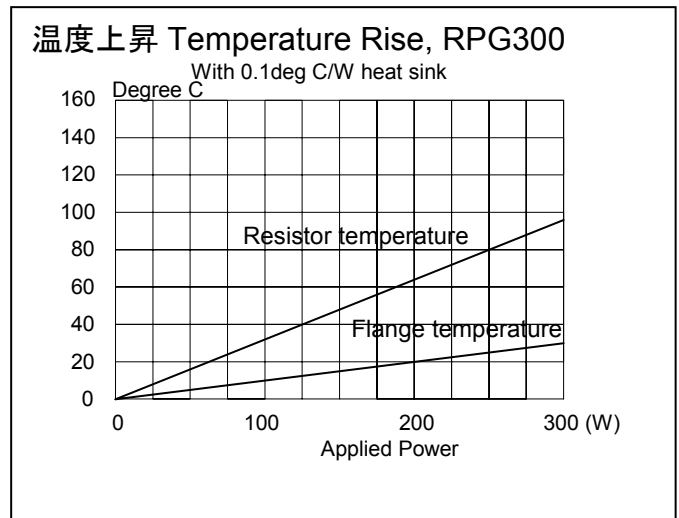
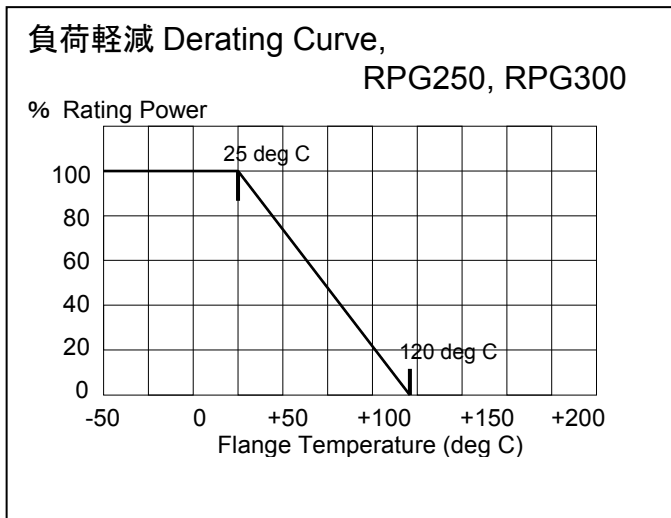
250W, 300W 高電力抵抗器

RPG250, RPG300

CHASSIS MOUNTING NON-INDUCTIVE HIGH POWER RESISTORS

電氣的仕様 Specifications and Performances

		RPG250	RPG300	Test Conditions
定格電力	Rating Power	250 Watts	300 Watts	At flange temperature -55 to +25 deg C
抵抗値	Resistance Range	1ohm to 1Kohm Dual	1ohm to 1Kohm Single	
抵抗値	Nominal Resistance	E24+	E24+	Additionally, 2.0 and 5.0.
温度係数	TCR	+/-100 ppm/K(A)	+/-100 ppm/K(A)	For -55 to +120 C
許容差	Tolerance	+/-5%(J)	+/-5%(J)	
動作温度範囲	Operation Temp.	-55 - +120 C	-55 - +120 C	
最高使用電圧	Max. Applied Voltage	$E = \sqrt{P \cdot R}$		
絶縁耐電圧	Withstanding Voltage	2500 VAC		60 seconds.
負荷寿命	Load Life	+/-(-1.0 %+0.05 ohm)		25C, 90 min.ON, 30min.OFF, 1000hours.
耐湿性	Humidity	+/-(-1.0 %+0.05 ohm)		70C, 90 to 95%RH, DC0.1W, 1000hours.
温度サイクル	Temperature Cycle	+/-(-1.0 %+0.05 ohm)		-55C, 30 min.,+155C 30min., 20cycles. (-55C, 30 min.,+120C, 30min., 20cycles. at RPG300)
短時間過負荷	Short Time Overload	+/-(-0.25 %+0.05 ohm)		Rating watt×2.5, 2.5seconds, with heat sink.
絶縁抵抗	Insulation Resistance	Over 1000 Meg ohm		Between terminals and flange.
耐震性	Vibration	+/-(-0.25 %+0.05 ohm)		



材質
 フランジ: Ni めっき銅板
 基板: Al2O3
 抵抗器: 金属皮膜抵抗器
 ケース: ポリカーボネート
 端子: Ni めっき銅合金
 ねじ: 4-M4/10mm.

Materials
 Flange: Ni plated copper plate.
 Substrate: Al2O3 alumina substrate.
 Resistor: Metal film resistor.
 Case: Polycarbonate plastics.
 Terminals: Ni plated copper alloy
 Screw: 4-M4/10mm.