

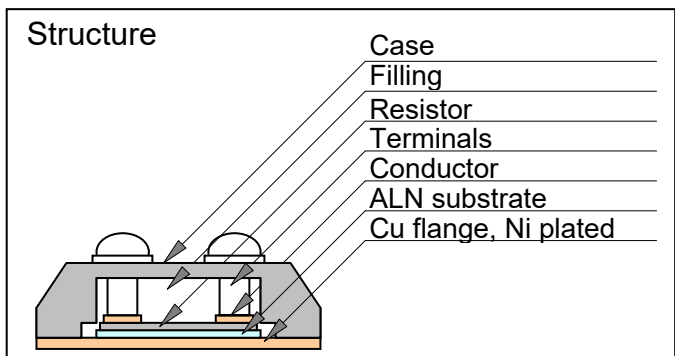
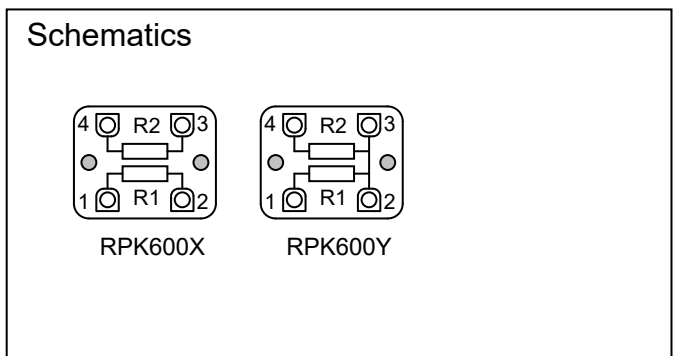
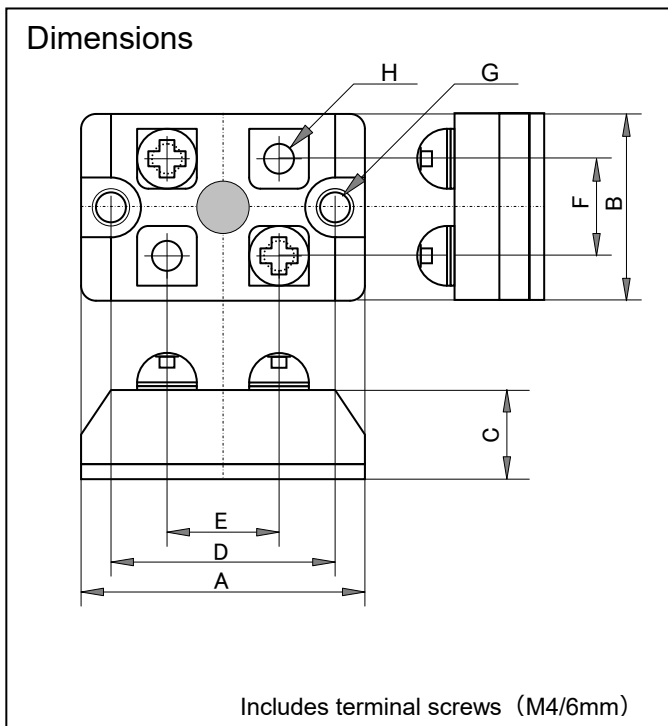
600W  
CHASSIS MOUNTING NON-INDUCTIVE  
HIGH POWER RESISTORS, DUAL

RPK600



Features and Applications

Small size SOT227, 600W high power resistor. Attaching with a large forced air-cooled heat sink or liquid-cooling would be necessary for high power operation.  
 Rated power 600W (dual resistor at 25 °C flange temperature), single resistor configuration is available in standard parts with 900W (at 25 °C flange temperature). Please see RPK900.  
 M4 screw terminals, very low series inductance.  
 Higher density packing, vibration-proof and perfect heat dissipation are available.  
 Applications include snubber resistors, breeder resistor, power voltage divider, dumping resistor, braking resistor for X-ray, MRI, Laser power source and etc.



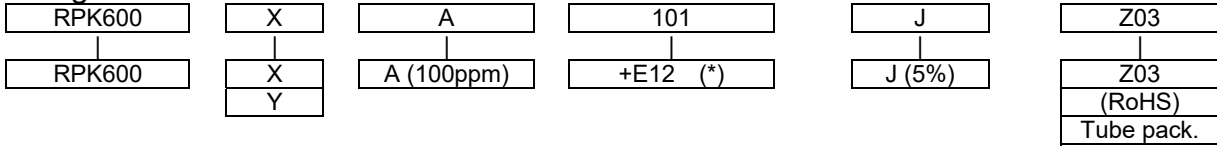
Symbols	(mm)	(inch)
A	38+/-0.5	1.50+/-0.02
B	25+/-0.5	0.98+/-0.02
C	15+/-0.5	0.59+/-0.02
D	30+/-0.2	1.18+/-0.008
E	15+/-0.5	0.59+/-0.02
F	13+/-0.5	0.51+/-0.02
G	2 - 4.20+/-0.1 dia.	2 - 0.165+/-0.004 dia.
H	4 - M4.0	4 - M4.0 (mm)

600W

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Ordering Information



'S' shows supplied terminal screws

Resistance value is available following modified E24, +E24. Another is available optionally.

1.0	1.1	1.2	1.3	1.5	1.6	1.8	2.0	2.2	2.4	2.5	2.7	3.0	3.3
3.6	3.9	4.0	4.3	4.7	5.0	5.1	5.6	6.2	6.8	7.5	8.0	8.2	9.1

Dual resistance specified in same value.

Specifications and Performances

Specification Items	RPK600X/Y/Z	Conditions
Rating Power	600 Watts / package	At flange temperature -55 to +25 °C
Thermal Resistance	0.10 °C/W	Between resistor to flange
Resistance Range	50 ohm to 1K ohm Single	Not available under 50 ohms.
Resistance	Modified E12	Any value, option
TCR	+/-100 ppm/K (A)	For -55 to +155 °C
Tolerance	+/-5% (J)	Not available +/- 1% (F) tolerance
Operation Temp. Range	-55 - +155 °C	
Limiting Voltage	700V	Less than $E = \sqrt{P \cdot R}$
Withstanding Voltage	2500 VAC	60 seconds. 5000VAC available
Capacitance	13.1 pF	Parallel capacitance at 10MHz
Inductance	13.7 nH	Series inductance at 10MHz
Load Life	+/- (1.0 % + 0.05 ohm)	25°C, 90min.ON, 30min.OFF, 1000hours.
Humidity	+/- (1.0 % + 0.05 ohm)	70°C, 90 to 95%RH, DC0.1W, 1000hours.
Temperature Cycle	+/- (1.0 % + 0.05 ohm)	-55°C, 30 min., +125°C 30min., 20cycles. (-55°C, 30 min., +120°C, 30min., 5 cycles.)
Short Time Overload	+/- (5.0 % + 0.05 ohm)	Rating watt×1.5, 5seconds, with heat sink.
Soldering Heat	---	
Solder ability	Soldering is not available	-
Insulation Resistance	Over 1000 meg ohm	Between terminals and flange.
Vibration	+/- (0.25 % + 0.05 ohm)	
Weight	36.1 grams	

