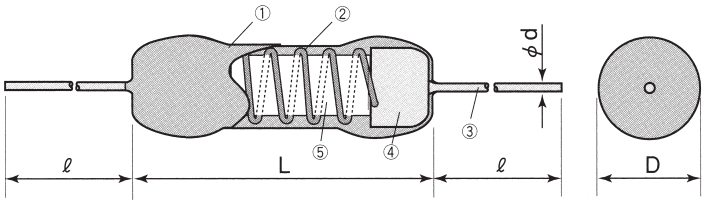
WIREWOUND
MINIATURE TYPE POWER RW



STRUCTURE

1 Insulation coating
2 Resistive element (wire)
3 Lead wire
4 Electrode cap
5 Ceramic core

IDENTIFICATION

PRODUCT CODE	COATING COLOR	MARKING
RW	Black	Alpha Numeric (Type, R-value and tolerance)

All these products have Pb-free terminations and meet EU-RoHS and China-RoHS requirements

TYPE DESIGNATION (HOW TO ORDER)

RW	1/2	T	2611	F
PRODUCT CODE	POWER RATING Unit: Watt 1/2 … 10	TERMINATION SURFACE MATERIAL T: Sn	NOMINAL RESISTANCE D, F: 4 digits H, J: 3 digits	RESISTANCE TOLERANCE D: (±0.5%), F: (±1%) H: (±3%), J: (±5%)

Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS

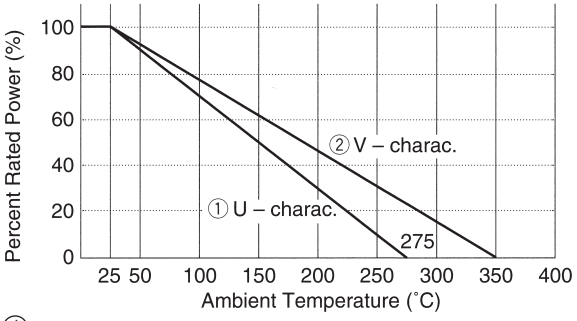
FEATURES

- Wirewound high power type resistor (0.5W to 10W)
- Precision type resistor in a wide resistance range with light tolerances
- Excellent long term stability
- Excellent environment performance
- Tolerance ±0.1% is available on request
- Meets or exceeds MIL-R-26E (U and V characteristics) and surface temp. (hot spot) 350 °C max.
- Rated ambient temperature: +25°C
- Operating temperature range: -55°C … +275°C (characteristics U)
- Operating temperature range: -55°C … +350°C (characteristics V)

DIMENSIONS (mm)

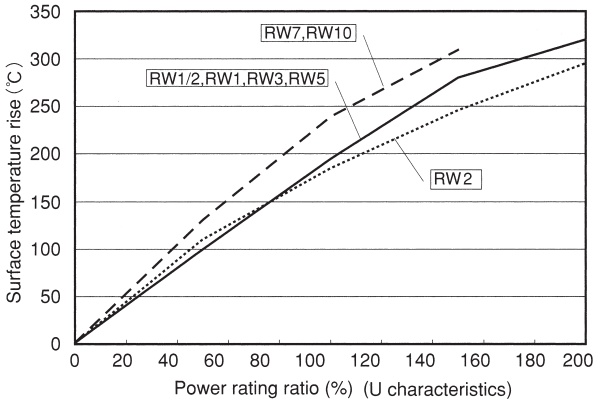
TYPE	L	ø D	ø d (nominal)	l
RW 1/2 T	8 ± 1.0	1.6 $^{+1.0}_{-0}$	0.5	38 ± 3
RW 1 T	10.5 ± 1.0	2.7 ± 1.0	0.5	
RW 2 T	13 ± 1.0	5.2 ± 1.0	0.8	
RW 3 T	16.5 ± 1.0	6.4 ± 1.0	1.0	
RW 5 T	22 ± 1.0	7.8 ± 1.5	1.0	
RW 7 T	31.5 ± 1.0	7.8 ± 1.5	1.0	
RW 10 T	46 ± 1.5	9.3 ± 1.5	1.0	

DERATING CURVE



① Characteristic U: Recommended maximum power rating for best long term stability. Allows 275°C hot spot and ±0.5% load life stability.
② Characteristic V: Increased power rating allows 350°C hot spot and ±3% ΔR after 2000 Hrs load life stability.

SURFACE TEMPERATURE RISE



RATING

TYPE	T.C.R. (ppm/K)	POWER RATING* (at 25°C) CHARACTERISTICS U	V	MAX. WORKING VOLTAGE	MAX. OVERLOAD VOLTAGE	RESISTANCE RANGE AND TOLERANCE** D(±0.5%) • F(±1%) E24 • E96 & 25, 50 x 10^n	H(±3%) • J(±5%) E24 & 25, 50 x 10^n
RW 1/2 T		0.5 W	—	80 V	150 V	10 Ω ... 2.61 kΩ	0.47 Ω... 2.7 kΩ
RW 1 T		1 W	—	130 V	300 V	1 Ω... 5.11 kΩ	0.1 Ω... 5.1 kΩ
RW 2 T	±90: R<1Ω	2 W	3 W	140 V	500 V	1 Ω... 10 kΩ	0.1 Ω... 10 kΩ
RW 3 T	±50: 1Ω≤R<10Ω	3 W	5 W	200 V	600 V	1 Ω... 15 kΩ	0.1 Ω... 15 kΩ
RW 5 T	±20: R≥10Ω	5 W	7 W	400 V	700 V	1 Ω... 30.1 kΩ	0.1 Ω... 30 kΩ
RW 7 T		7 W	10 W	600 V	800 V	1 Ω... 45.3 kΩ	0.1 Ω... 47 kΩ
RW 10 T		10 W	14 W	1000 V	1500 V	1 Ω... 60.4 kΩ	0.1 Ω... 62 kΩ

* For resistors operated at an ambient temperature of +25°C or above, the power rating shall be derated in accordance with the above derating curve.
** Tolerance ±0.1% is available on request.
Rated voltage = $\sqrt{\text{Power rating x resistance value}}$ or max. working voltage, whichever is lower.