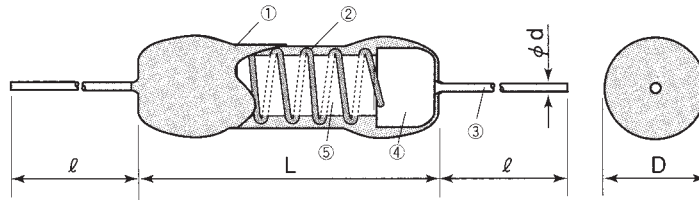


WIREWOUND MINIATURE TYPE POWER RW



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)

TYPE DESIGNATION (HOW TO ORDER)

New Part No. (Pb-free)	RW	1/2	T	T52	A	2611	F
PRODUCT CODE	RW	1/2	T	T52	A	2611	F
POWER RATING		Unit: Watt 1/2 ... 10					
TERMINATION SURFACE MATERIAL			T: Sn				
TAPING & FORMING							
PACKAGING					A: Ammo "Blank": Bulk		
NOMINAL RESISTANCE						D, F: 4 digits H, J: 3 digits	
RESISTANCE TOLERANCE							D: ±0.5% F: ±1% H: ±3% J: ±5%

*Please see "PACKAGING"

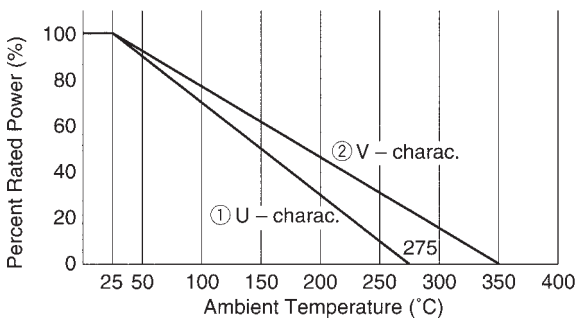
FEATURES

- 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
- Axial taping is available for RW1/2 and RW1
- 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)

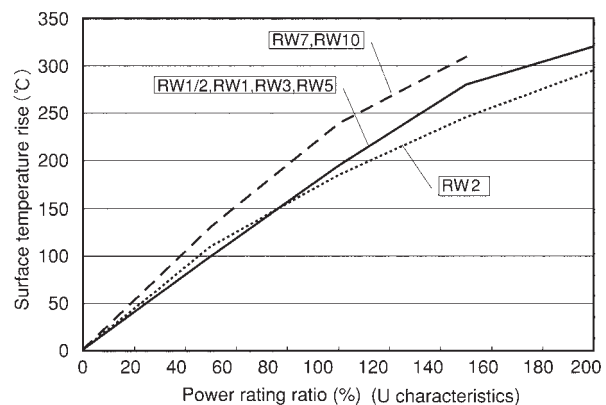
TYPE	L	ØD	Ød (nominal)	I
RW 1/2	8 ± 1.0	1.6 ^{+1.0} ₋₀	0.5	38±3
RW 1	10.5 ± 1.0	2.7 ± 1.0	0.5	
RW 2	13 ± 1.0	5.2 ± 1.0	0.8	
RW 3	16.5 ± 1.0	6.4 ± 1.0	1.0	
RW 5	22 ± 1.0	7.8 ± 1.5	1.0	
RW 7	31.5 ± 1.0	7.8 ± 1.5	1.0	
RW 10	46 ± 1.5	9.3 ± 1.5	1.0	

DERATING CURVE



- ① Characteristic U: Recommended maximum wattage rating for best long term stability. Allows 275°C hot spot and ±0.5% load life stability.
- ② Characteristic V: Dual wattage rating allows 350°C hot spot and ±3% ΔR after 1000 Hrs load life stability.

SURFACE TEMPERATURE RISE



RATING

TYPE	T.C.R. (ppm/K)	POWER RATING* (at 25°C)		MAX. WORKING VOLTAGE	MAX. OVERLOAD VOLTAGE	RESISTANCE RANGE AND TOLERANCE*		
		CHARACTERISTICS				E96	E96	E24
		U	V			D(±0.5%)	F(±1%)	H(±3%) • J(±5%)
RW 1/2	±90: R<1Ω ±50: 1Ω<R<9.9Ω ±20: R≥10Ω	0.5 W	1 W	80 V	150 V	10 Ω ... 2.61 kΩ	10 Ω ... 2.61 kΩ	0.47 Ω ... 2.7 kΩ
RW 1		1 W	2 W	130 V	300 V	1 Ω ... 5.11 kΩ	1 Ω ... 5.11 kΩ	0.1 Ω ... 5.1 kΩ
RW 2		2 W	3 W	140 V	500 V	1 Ω ... 10 kΩ	1 Ω ... 10 kΩ	0.1 Ω ... 10 kΩ
RW 3		3 W	5 W	200 V	600 V	1 Ω ... 15 kΩ	1 Ω ... 15 kΩ	0.1 Ω ... 15 kΩ
RW 5		5 W	7 W	400 V	700 V	1 Ω ... 30.1 kΩ	1 Ω ... 30.1 kΩ	0.1 Ω ... 30 kΩ
RW 7		7 W	10 W	600 V	800 V	1 Ω ... 45.3 kΩ	1 Ω ... 45.3 kΩ	0.1 Ω ... 47 kΩ
RW 10		10 W	14 W	1000 V	1500 V	1 Ω ... 60.4 kΩ	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.