

RW series

Wire Wound Resistors



- High Power Rating in a Small Package
- Excellent Pulse Handling
- Power Rating 1/2 to 10Watts
- Flame Resistant Coating
- Resistance Tolerances to $\pm 0.1\%$
- Low TCR
- Non-Inductive Windings Available

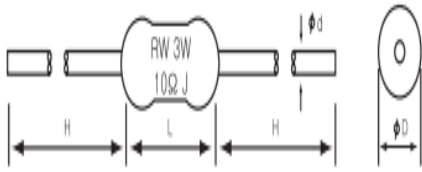
■ SPECIFICATIONS

TYPE	SPECIFICATION LIMITS		
Operating Temperature Range	-40°C ~ +155°C		
Resistance Temperature Coefficient	Resistance Range below 1Ω 1Ω to 9.9Ω 10Ω and above	Military type $\pm 90\text{ppm}/^\circ\text{C}$ $\pm 50\text{ppm}/^\circ\text{C}$ $\pm 30\text{ppm}/^\circ\text{C}$	Industrial type $\pm 400\text{ppm}/^\circ\text{C}$ $\pm 400\text{ppm}/^\circ\text{C}$ $\pm 260\text{ppm}/^\circ\text{C}$
Short-time overload	$\pm(2\%+0.05\Omega)$		$\pm(2\%+0.05\Omega)$
Dielectric Withstanding Voltage	$\pm(2\%+0.05\Omega)$		$\pm(2\%+0.05\Omega)$
Insulation Resistance	Min. 100MΩ		Min. 100MΩ
Moisture Resistance	$\pm(2\%+0.05\Omega)$		$\pm(5\%+0.05\Omega)$
Load life	$\pm(3\%+0.05\Omega)$		$\pm(5\%+0.05\Omega)$

■ RATINGS

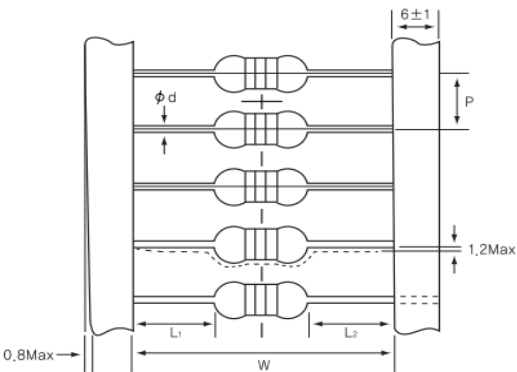
TYPE	Power Rating	Max. Working Voltage	Resistance Range(Ω)			Resistance Tolerance
			Inductive	Non-Inductive	Military Type	
RW 1/2	1/2W	12V	0.1 ~1K	0.1 ~500	-	$\pm 0.25\%$ (C)
RW 1	1W	20V	0.1 ~1K	0.1 ~500	RW81	$\pm 0.5\%$ (D)
RW 2	2W	50V	0.1 ~10K	0.1 ~1.8K	RW70 , RW80	$\pm 1\%$ (F)
RW 3	3W	100V	0.1 ~18K	0.1 ~1.8K	RW69, RW79, RW89	$\pm 2\%$ (G)
RW 5	5W	200V	0.1 ~25K	0.1 ~11K	RW74	$\pm 3\%$ (H)
RW 7	7W	400V	0.1 ~25K	0.1 ~11K	RW67 ,RW84	$\pm 5\%$ (J)
RW 10S	10WS	700V	0.1 ~50K	0.1 ~25K		$\pm 10\%$ (K)
RW 10L	10WL	800V	0.1 ~100K	0.1 ~50K	RW78	

■ AXIAL DIMENSIONS



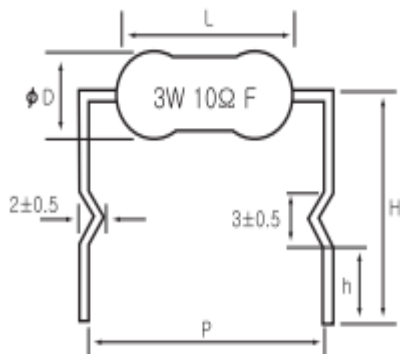
TYPE	Dimensions(mm)			
	L	ØD	H	Ød
RW 1/2W , RWS 1W	9±1.0	3.0±0.5	26±3	0.58
RW 1W, RWS 2W	11±1.0	4.0±0.5	26±3	0.7
RW 2W	15±1.5	5.5±1.0	29±3	0.8
RW 3W	15±1.5	5.5±1.0	29±3	0.8

■ TAPING DIMENSIONS



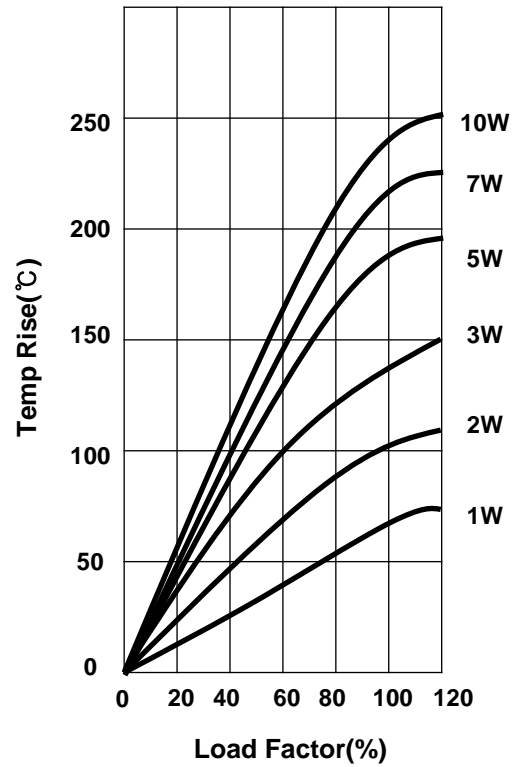
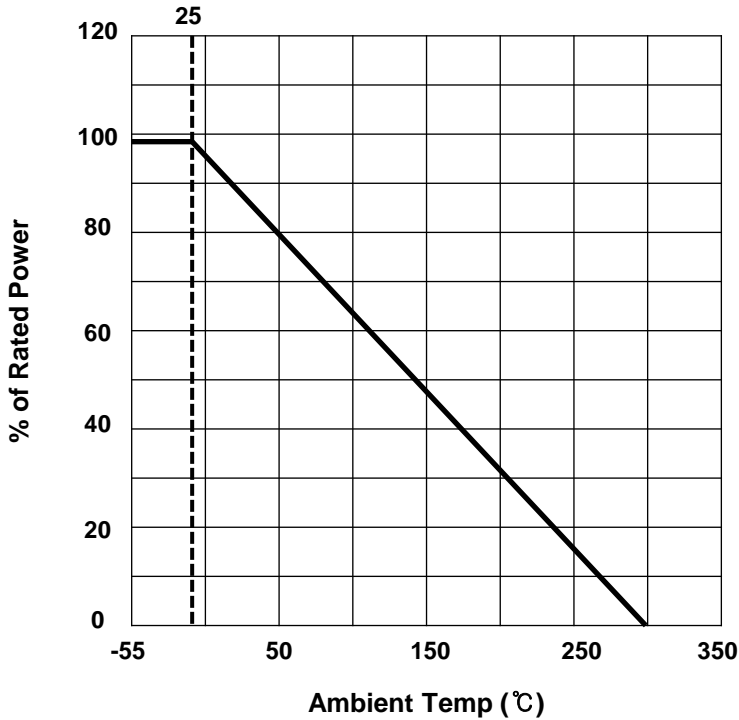
TYPE	Dimensions(mm)		
	W±1	P±0.5	IL1-L2
RW 1/2W, RWS 1W	64	5	Max. 1.0
RW 1W, RWS 2W	64	5	Max. 1.0
RW 2W	64	10	Max. 1.0
RW 3W	64	10	Max. 1.0

■ FORMING DIMENSIONS



TYPE	Dimensions(mm)				
	L±1	ϕ D±1	P±1	h±1	H±1
RW 1W, RWS 2W	11	4	15	5	12
RW 2W	15	5.5	20	6	15
RW 3W	15	5.5	20	6	15

■ SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD & DERATING CURVES



■ HOW TO ORDER

RW	5W	W/N	10 Ω	J	T/F
TYPE	POWER RATING	W-Inductive Type N-Non-Inductive Type	NOMINAL RESISTANCE	RESISTANCE TOLERANCE	TAPING & FORMING

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