

RW series

Wire Wound Resistors



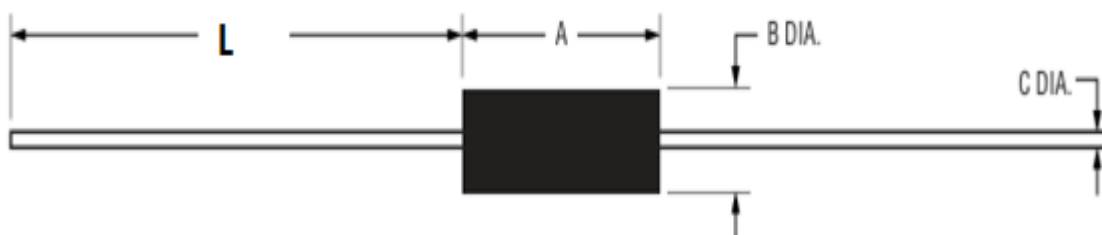
- High Power Rating in a Small Package
- Excellent Pulse Handling
- Power Rating 1/2 to 10Watts
- Flame Resistant Coating
- Resistance Tolerances to $\pm 0.1\%$
- Low TCR
- Non-Inductive Windings Available

■ 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 ±90ppm/°C ±50ppm/°C ±30ppm/°C	Industrial type ±400ppm/°C ±400ppm/°C ±260ppm/°C
Short-time overload	±(2%+0.05Ω)		±(2%+0.05Ω)
Dielectric Withstanding Voltage	±(2%+0.05Ω)		±(2%+0.05Ω)
Insulation Resistance	Min. 100MΩ		Min. 100MΩ
Moisture Resistance	±(2%+0.05Ω)		±(5%+0.05Ω)
Load life	±(3%+0.05Ω)		±(5%+0.05Ω)

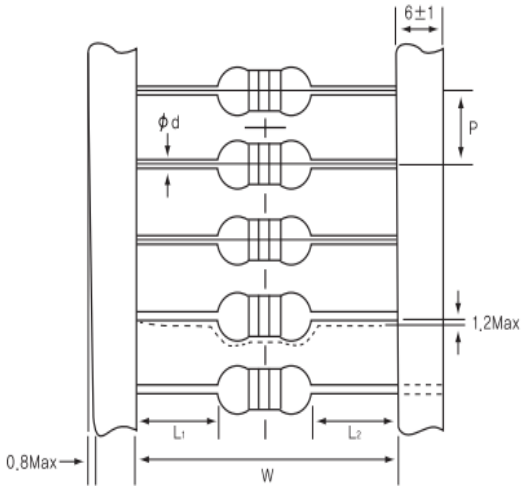
■ RATINGS

TYPE	Power Rating	Resistance Range(Ω)				Resistance Tolerance
		Inductive	Non-Inductive	Military Type		
RW 1/2	0.5W	0.1 ~1K	0.1 ~500		$\pm 0.25\%$ (C)	
RW 1WS	1W					
RW 1	1W	0.1 ~1K	0.1 ~500	RW81		
RW 2	2W	0.1 ~10K	0.1 ~1.8K	RW70 , RW80	$\pm 0.5\%$ (D)	
RW 3	3W	0.1 ~18K	0.1 ~1.8K	RW69, RW79 RW89	$\pm 1\%$ (F)	
RW 5	5W	0.1 ~25K	0.1 ~11K	RW74	$\pm 2\%$ (G)	
RW 7	7W	0.1 ~25K	0.1 ~11K	RW67 ,RW84		
RW 10S	10W	0.1 ~50K	0.1 ~25K		$\pm 3\%$ (H)	
RW 10L	10W	0.1 ~100K	0.1 ~50K	RW78		
RW-2.5	2.5W	0.1~20K			$\pm 5\%$ (J)	
RW-3A	3W	0.1~20K			$\pm 10\%$ (K)	
RW-3B	3W	0.1~20K				
RW-4	4W	0.1~20K				
RW-5	5W	0.1~20K				
RW -15	15W	0.1 ~100K				

■ AXIAL DIMENSIONS


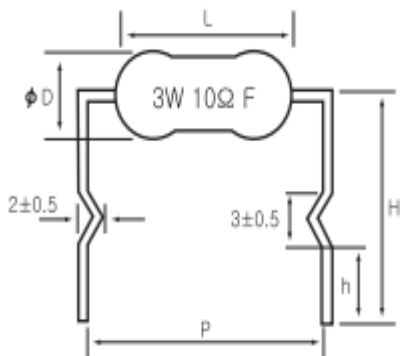
TYPE	Power Rating	Dimensions (mm)				Military Type
		A±0.5	B±0.5	C±0.5	L±1.5	
RW 1/2W	0.5W	9	3	0.7	26	
RW 1WS	1W	9	3	0.7	26	
RW 1W	1W	11	4	0.7	26	RW-81
RW 2W	2W	15	5.5	0.8	30	RW70 / 80
RW 3W	3W	15	5.5	0.8	30	RW69 / 79 /89
RW 5W	5W	24	8.5	0.8	30	RW74
RW 7W	7W	24	8.5	0.8	30	RW84 / RW67
RW 10W S	10W	40	8.5	1.0	26	
RW 10W L	10W	47	10	1.0	26	RW78
RW-2.5	2.5W	13.5	5.3	0.8	30	
RW-3A	3W	13.5	4.7	0.8	30	
RW-3B	3W	13	5.7	0.8	30	
RW-4	4W	14.5	4.2	0.8	30	
RW-5	5W	13	4.3	0.8	30	
RW -15	15W	47	10	1.0	25	

■ TAPING DIMENSIONS



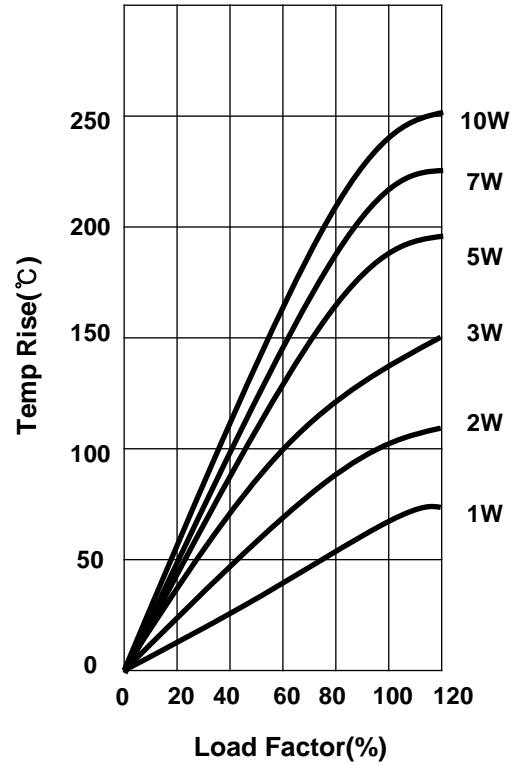
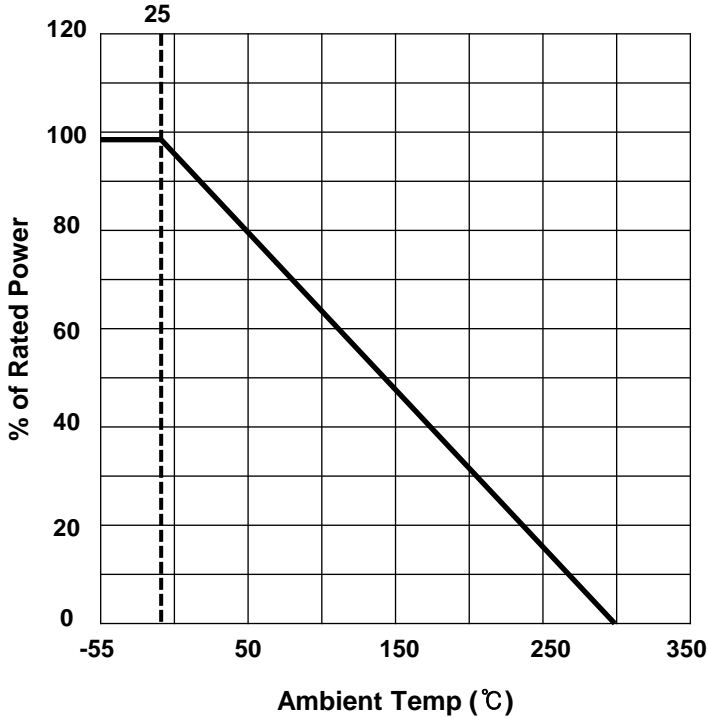
TYPE	Dimensions(mm)		
	$W \pm 1$	$P \pm 0.5$	IL1-L2
RW 1/2W, RW S 1W	64	5	Max. 1.0
RW 1W, RWS 2W	64	5	Max. 1.0
RW 2W	64	10	Max. 1.0
RW 3W	64	10	Max. 1.0

■ FORMING DIMENSIONS



TYPE	Dimensions(mm)				
	$L \pm 1$	$\phi D \pm 1$	$P \pm 1$	$h \pm 1$	$H \pm 1$
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