

Cement Fixed Resistors

Performance Specification

Temperature Coefficient <20 Ω : $\pm 400PPM/^{\circ}C$; $\geq 20\Omega$: $\pm 350PPM/^{\circ}C$

Short Time Overload $\pm (5.0\% + 0.05\Omega)$ Max, with no evidence of mechanical damage.

Dielectric Withstanding Voltage No evidence of flashover, mechanical damge, arcing or insulation breakdown.

Terminal Strength No evidence of mechanical damge.

Resistance to Soldering Heat $\pm (1.0\% + 0.05\Omega)$ Max, with no evidence of mechanical damage.

Solderability Min. 95% coverage

Temperature Cycling $\pm (2.0\% + 0.05\Omega)$ Max, with no evidence of mechanical damage. Humidity (Steady State) $\pm (5.0\% + 0.05\Omega)$ Max, with no evidence of mechanical damage.

Load Life in Humidity Wire-wound $\pm (5.0\% + 0.05\Omega)$ Max

Power Film <100K Ω : $\pm(5.0\% + 0.05\Omega)$ Max

≥100KΩ: \pm (10.0% + 0.05Ω)Max

Load Life Wire-wound $\pm (5.0\% + 0.05\Omega)$ Max

Power Film <100K Ω : $\pm(5.0\% + 0.05\Omega)$ Max

≥100K Ω :±(10.0% + 0.05 Ω)Max

Ordering Procedure: Ex.: PRW 5W, +/-5%, 100Ω, B/B

Р	R	W	0	5	W	J	Р	1	0	1	В	0	0
Type: PRW0 = PRW PRWA = PRWA PRWC = PRWC PRC1 = PRWC-1 PRM0 = PRM PRMA = PRMA PRMB = PRMB PRS0 = PRS PRVA = PRVA PRVB = PRVA PRVB = PRZA-1 PZ2A = PRZA-2 PZ3A = PRZA-3 PRZC = PRZC PRZD = PRZD PRT0 = PRT PRU0 = PRU			Wattage: 1W = 1W 2W = 2W 3W = 3W 4W = 4W 5W = 5W 6W = 6W 7W = 7W AW = 10W BW = 11W HW = 17W FW = 15W 20 = 20W 25 = 25W 30 = 30W 40 = 40W Tolerance:			• E-24 : 1st dig W = V P = P 2nd & : figure 4th inc "J" ~ (ance Valuseries: it denotes Wire-wour 3 rd digits a s of the r licates the 0.1, "K" ~	s product to the type type type esistance enumber 0.01 , 4.7KΩ ~	nificant of zeros:	g Qty:			
	= PRWI C = TFRC			J = ±5% K = ±10%			◀						
4				1	←						0 = Stan	nal Inforr dard -inductive	



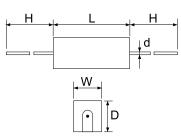
Cement Fixed Resistors

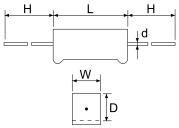
Features

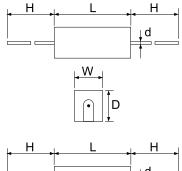
- Self extinguishing
- Excellent flame and moisture resistance
 Extremely small sturdy and mechanically safe
- Non-inductive types available for all ROYALOHM Cement Resistors
- Too low or too high ohmic values on Wire-wound & Power Film type can be supplied on a case to case basis

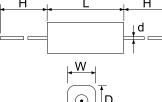


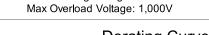
Part No.	Style	Power Rating at 70°C		Dim	nensior	n (mm)	Resistance Range		
rait No.	Style		W±1	D±1	L±1	d±0.05	H±5	Wire-wound	Power Fi l m
PRW Typ	oe								
PRW01W	PRW 1W	1W	6	6	14	0.70	25	1Ω ~ 27Ω	28Ω ~ 33ΚΩ
PRW02W	PRW 2W	2W	7	7	18	0.75	28	0.1Ω ~ 27Ω	28Ω ~ 33ΚΩ
PRW03W	PRW 3W	3W	8	8	22	0.75	32	0.1Ω ~ 39Ω	40Ω ~ 56ΚΩ
PRW05W	PRW 5W	5W	10	9	22	0.75	35	0.1Ω ~ 47Ω	48Ω ~ 100ΚΩ
PRW07W	PRW 7W	7W	10	9	35	0.75	35	0.1Ω ~ 680Ω	681Ω ~ 200KΩ
PRW0AW	PRW 10W	10W	10	9	49	0.75	35	0.1Ω ~ 910Ω	911Ω ~ 200ΚΩ
PRW0FW	PRW 15W	15W	12.5	11.5	49	0.75	35	1Ω ~ 1ΚΩ	
PRW020	PRW 20W	20W	14.5	13.5	60	0.75	35	2Ω ~ 1.2ΚΩ	
PRW025	PRW 25W	25W	14.5	13.5	64	0.75	35	2Ω ~ 1.2ΚΩ	
PRWA T	уре								
PRWA2W	PRWA 2W	2W	7	7	18	0.75	28	0.1Ω ~ 27Ω	28Ω ~ 33ΚΩ
PRWA3W	PRWA 3W	3W	8	8	22	0.75	32	0.1Ω ~ 39Ω	40Ω ~ 56KΩ
PRWA5W	PRWA 5W	5W	10	9	22	0.75	35	0.1Ω ~ 47Ω	48Ω ~ 100ΚΩ
PRWA7W	PRWA 7W	7W	10	9	35	0.75	35	0.1Ω ~ 680Ω	681Ω ~ 200Kg
PRWAAW	PRWA 10W	10W	10	9	49	0.75	35	0.1Ω ~ 910Ω	911Ω ~ 200ΚΩ
PRWC 1	Гуре								
PRWC1W	PRWC 1W	1W	5.5	5.5	12	0.70	25	1Ω ~ 27Ω	28Ω ~ 33ΚΩ
PRWC2W	PRWC 2W	2W	6	6	18	0.75	28	1Ω ~ 27Ω	28Ω ~ 33ΚΩ
PRWC3W	PRWC 3W	3W	6	6	20	0.75	28	1Ω ~ 27Ω	28Ω ~ 33ΚΩ
PRWC5W	PRWC 5W	5W	6	6	25	0.75	35	1Ω ~ 200Ω	201Ω ~ 100ΚΩ
PRWC7W	PRWC 7W	7W	9	9	25	0.75	35	1Ω ~ 200Ω	201Ω ~ 100ΚΩ
PRWC-	1 Type								
PRC14W	PRWC-1 4W	4W	6.4	6.4	20	0.70	28	1Ω ~ 200Ω	201Ω ~ 100ΚΩ
PRC15W	PRWC-1 5W	5W	6.4	6.4	25	0.70	28	1Ω ~ 200Ω	201Ω ~ 100ΚΩ
PRC16W	PRWC-1 6W	6W	6.4	6.4	38	0.75	35	1Ω ~ 200Ω	201Ω ~ 100ΚΩ

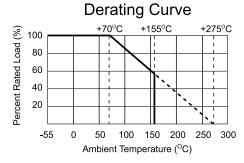












Heat Rise Chart

