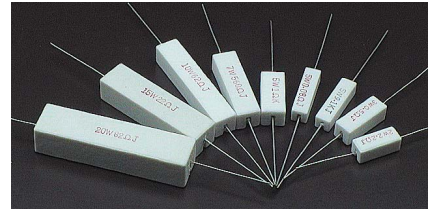


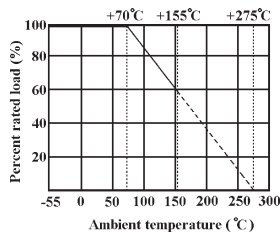
Cement Fixed Resistors:

Features:

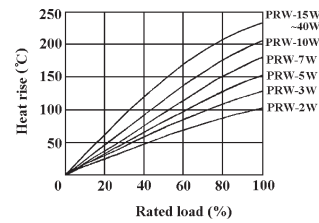
- Self-extinguishing
- Extremely small and sturdy mechanically safe
- Non-inductive type available
- Excellent flame & moisture resistance
- Too low or high values on standard Wire-wound & Power-Film type can be supplied on a case to case basis



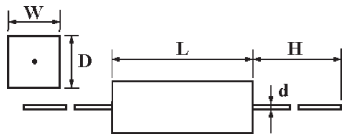
Derating Curve



Heat Rise Chart

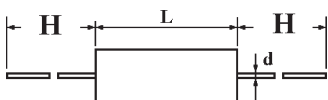


PRW Type



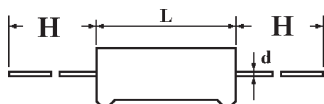
Part No.	Type	Dimension (mm)					Resistance Range	
		W±1	D±1	L±1	H	d ^{+0.02} _{-0.05}	Wire Wound	Power Film
PRW02W	PRW-2W	7	7	18	28 ± 5	0.7	0.1Ω ~ 27Ω	28Ω~33KΩ
PRW03W	PRW-3W	8	8	22	32 ± 5	0.7	0.1Ω ~ 39Ω	40Ω~56KΩ
PRW05W	PRW-5W	10	9	22	35 ± 5	0.8	0.1Ω ~ 47Ω	48Ω~100KΩ
PRW07W	PRW-7W	10	9	35	35 ± 5	0.8	0.1Ω ~ 680Ω	681Ω~200KΩ
PRW04W	PRW-10W	10	9	49	35 ± 5	0.8	0.1Ω ~ 910Ω	911Ω~200KΩ
PRW0FW	PRW-15W	12.5	11.5	49	35 ± 5	0.8	1Ω ~ 1KΩ	
PRW020	PRW-20W	14.5	13.5	60	35 ± 5	0.8	2Ω ~ 1.2KΩ	
PRW025	PRW-25W	14.5	13.5	64	35 ± 5	0.8	2Ω ~ 1.2KΩ	

PRWC Type



Part No.	Type	Dimension (mm)					Resistance Range	
		W±1	D±1	L±1	H	d ^{+0.02} _{-0.05}	Wire Wound	Power Film
PRWC3W	PRWC-3W	6	6	20	28 ± 5	0.7	1Ω ~ 27Ω	28Ω~33KΩ
PRWC5W	PRWC-5W	6	6	25	35 ± 5	0.8	1Ω ~ 100Ω	101Ω~100KΩ
PRWC7W	PRWC-7W	9	9	25	35 ± 5	0.8	1Ω ~ 100Ω	101Ω~100KΩ

PRWA Type



Part No.	Type	Dimension (mm)					Resistance Range	
		W±1	D±1	L±1	H	d ^{+0.02} _{-0.05}	Wire Wound	Power Film
PRWA2W	PRWA-2W	7	7	18	28 ± 5	0.7	0.1W ~ 27W	28W~33KW
PRWA5W	PRWA-5W	10	9	22	35 ± 5	0.8	0.1W ~ 47W	48W~100KW
PRWA7W	PRWA-7W	10	9	35	35 ± 5	0.8	0.1W ~ 680W	681W~200KW
PRWAAW	PRWA-10W	10	9	49	35 ± 5	0.8	0.1W ~ 910W	911W~200KW

Cement Fixed Resistors:

Performance Specifications

Temperature coefficient	< 20Ω: ± 400PPM/°C; ≥ 20Ω: ± 350PPM/°C
Short-time overload	$\Delta R/R \leq \pm(5\%+0.05\Omega)$, with no evidence of mechanical damage.
Dielectric withstanding voltage	No evidence of flashover, mechanical damage, arcing or insulation breakdown.
Terminal strength	No evidence of mechanical damage.
Resistance to soldering heat	$\Delta R/R \leq \pm(1\%+0.05\Omega)$, with no evidence of mechanical damage.
Solderability	Min. 95% coverage.
Temperature cycling	$\Delta R/R \leq \pm(2\%+0.05\Omega)$, with no evidence of mechanical damage.
Humidity (Steady state)	$\Delta R/R \leq \pm(5\%+0.05\Omega)$, with no evidence of mechanical damage.
Load life in humidity	For Wire wound range, the DR/R is ±5%; For Power film range <100KΩ, the ΔR/R is ±5%; For Power film range ≥100KΩ, the ΔR/R is ±10%.
Load life	For Wire wound range, the ΔR/R is ±5%; For Power film range <100KΩ, the ΔR/R is ±5%; For Power film range ≥100KΩ, the ΔR/R is ±10%.

Ordering Procedure (Example: PRW 5W 5% 100Ω B/B)

P R W 0 5 W J P 1 0 1 B 0 0

Product Type:

PRW0 = PRW
 PRWA = PRWA
 PRWC = PRWC
 PRM0 = PRM
 PRMA = PRMA
 PRMB = PRMB
 PRS0 = PRS ,
 PRVA = PRVA
 PRVB = PRVB
 PZ1A = PRZA – 1
 PZ2A = PRZA – 2
 PRZC = PRZC
 PZ1C = PRZC – 1
 PRZD = PRZD
 PRT0 = PRT
 PRU0 = PRU
 PF3A = FTR 3A
 PF3B = FTR 3B
 PF5A = FTR 5A
 PF5B = FTR 5B
 PF7A = FTR 7A
 PF7B = FTR 7B
 PFAC = FTR 10C
 PVIB = PRVB-1

Wattage:

2W = 2W
 3W = 3W
 5W = 5W
 7W = 7W
 AW = 10W
 FW = 15W
 20 = 20W
 25 = 25W
 30 = 30W
 40 = 40W

Resistance Value:

E-24 series:
 The 1st digit to denote production type of the product:
 W=Wire-wound type.
 P=Power film type.
 The 2nd & 3rd digits are for the significant figures of the resistance and the 4th digit indicat the numbers of zeros following

Tolerance: J = ±5% , K = ±10%

Additional Information:

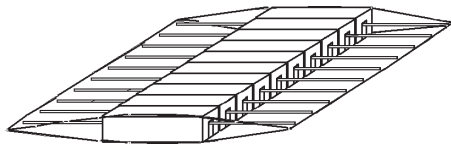
0 = Standard product , I = Non-Inductive

Packing Quantity: 0 = for Bulk/Box packing

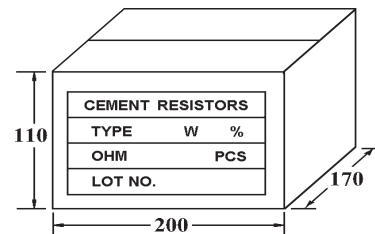
Packing Type: B = Bulk/Box

Standard Packing of Cement Type Resistors

Plastic Bag Packing



Inner Box of Plastic Bag Packing



Part No.	Type	Qty. Per Bag / Inner Box	Qty. Per Outer Carton	Carton Dimension (mm)	GW (±2kg)
PRW Series					
PRW02W	PRW 2W	10 / 600	3,600	531×213×246	12.5
PRW03W	PRW 3W	10 / 500	3,000		14
PRW05W	PRW 5W	10 / 400	2,400		14.5
PRW07W	PRW 7W	10 / 300	1,800		17
PRW0AW	PRW 10W	10 / 250	1,500		18
PRW0FW	PRW 15W	10 / 140	840		17
PRW020	PRW 20W	10 / 120	720		23
PRWA2W	PRWA 2W	10 / 600	3,600		12.5
PRWA5W	PRWA 5W	10 / 400	2,400		14.5
PRWA7W	PRWA 7W	10 / 300	1,800		17
PRWAAW	PRWA 10W	10 / 250	1,500		18
PRWC3W	PRWC 3W	10 / 600	3,600		12.5
PRWC5W	PRWC 5W	10 / 600	3,600		14
PRWC7W	PRWC 7W	10 / 400	2,400		16
PRS Series					
PRS05W	PRS 5W	10 / 400	2,400	531×213×246	19.5
PRS07W	PRS 7W	10 / 300	1,800		22.5
PRS0AW	PRS 10W	10 / 250	1,500		22
PRT Series					
PRT0AW	PRT 10W	10 / 200	1,200	531×213×246	19
PRT0FW	PRT 15W	10 / 120	720		18
PRT020	PRT 20W	10 / 90	540		17.5
PRT030	PRT 30W	5 / 45	270		21
PRT040	PRT 40W	5 / 25	150		14.2
PRU Series					
PRU0AW	PRU 10W	10 / 200	1200	531×213×246	14
PRU0FW	PRU 15W	10 / 120	720		14
PRU020	PRU 20W	10 / 90	540		15
PRU030	PRU 30W	10 / 60	360		24
PRU040	PRU 40W	10 / 50	300		24.5