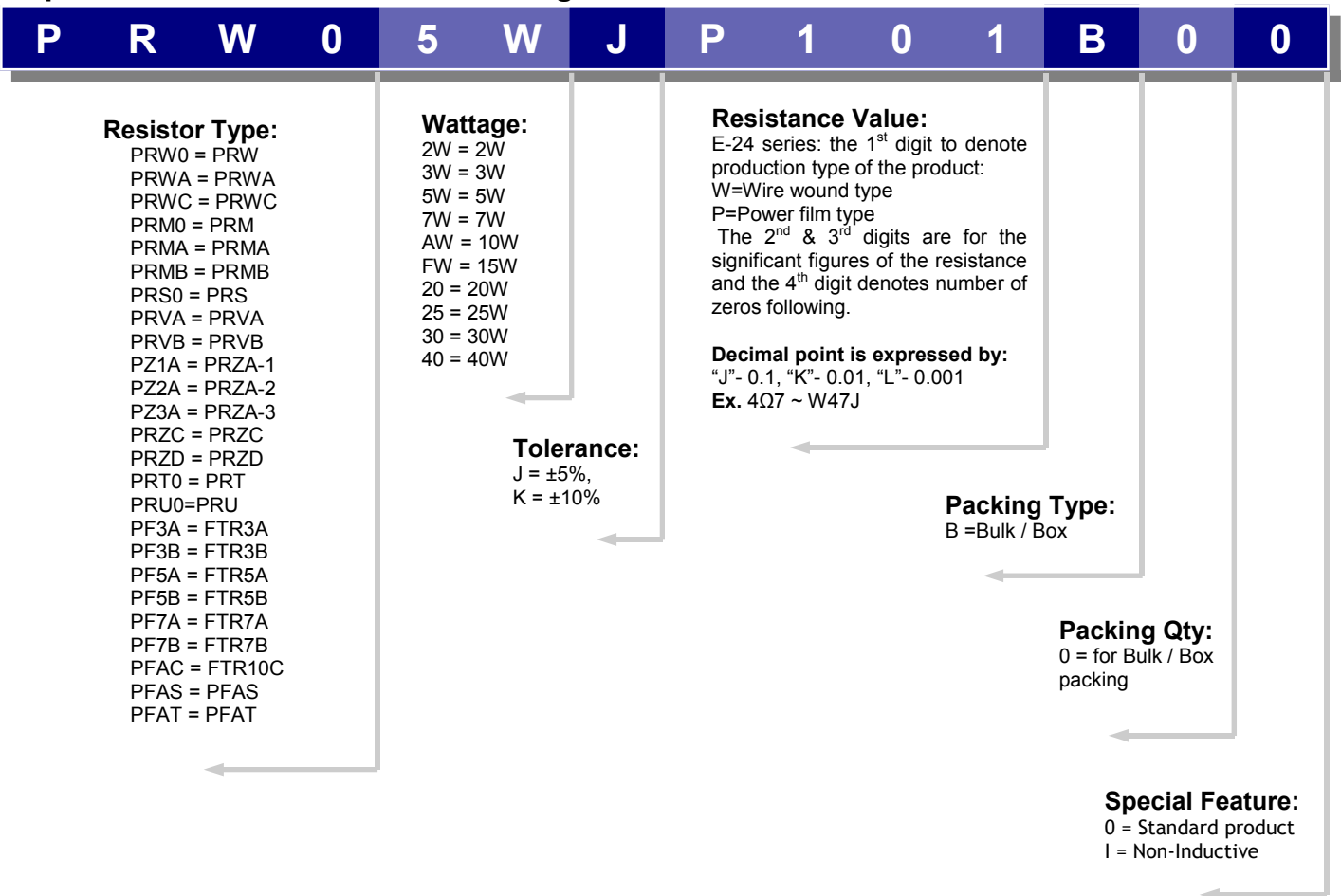


CEMENT FIXED RESISTOR

Features

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

Explanation of Part Number & Ordering Procedure:

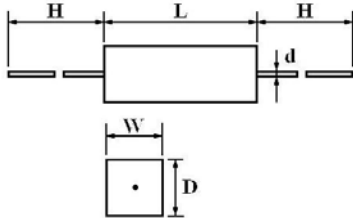


NOTE: Ordering Procedure (Ex: PRW 5W 5% B/B 100Ω)

CEMENT FIXED RESISTOR

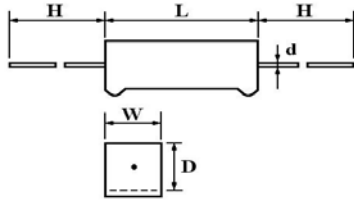


(1) PRW Type



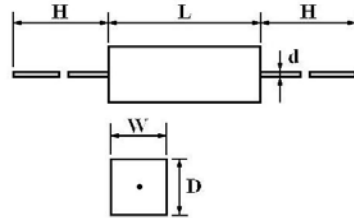
Part No.	Style	Dimension (mm)					Resistance Range	
		W ± 1	D ± 1	L ± 1	d ^{+0.02} / _{-0.05}	H ± 5	Wire-wound	Power Film
PRW02W	PRW - 2W	7	7	18	0.8	28	0.1Ω ~ 27Ω	28Ω ~ 33KΩ
PRW03W	PRW - 3W	8	8	22	0.8	32	0.1Ω ~ 39Ω	40Ω ~ 56KΩ
PRW05W	PRW - 5W	10	9	22	0.8	35	0.1Ω ~ 47Ω	48Ω ~ 100KΩ
PRW07W	PRW - 7W	10	9	35	0.8	35	0.1Ω ~ 680Ω	681Ω ~ 200KΩ
PRW0AW	PRW - 10W	10	9	49	0.8	35	0.1Ω ~ 910Ω	911Ω ~ 200KΩ
PRW0FW	PRW - 15W	12.5	11.5	49	0.8	35	1Ω ~ 1KΩ	
PRW020	PRW - 20W	14.5	13.5	60	0.8	35	2Ω ~ 1.2KΩ	
PRW025	PRW - 25W	14.5	13.5	64	0.8	35	2Ω ~ 1.2KΩ	

(1-1) PRWA Type



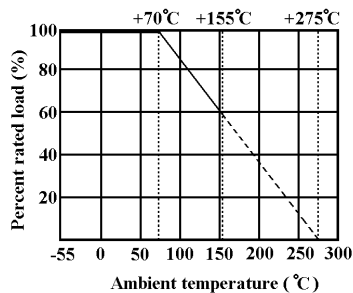
Part No.	Style	Dimension (mm)					Resistance Range	
		W ± 1	D ± 1	L ± 1	d ^{+0.02} / _{-0.05}	H ± 5	Wire-wound	Power Film
PRWA2W	PRWA - 2W	7	7	18	0.8	28	0.1Ω ~ 27Ω	28Ω ~ 33KΩ
PRWA5W	PRWA - 5W	10	9	22	0.8	35	0.1Ω ~ 47Ω	48Ω ~ 100KΩ
PRWA7W	PRWA - 7W	10	9	35	0.8	35	0.1Ω ~ 680Ω	681Ω ~ 200KΩ
PRWAAW	PRWA -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

(1-2) PRWC Type

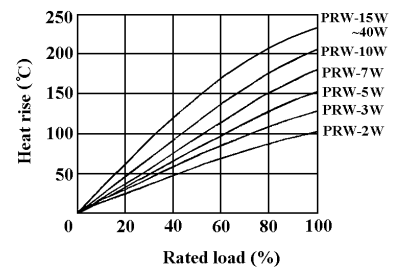


Part No.	Style	Dimension (mm)					Resistance Range	
		W ± 1	D ± 1	L ± 1	d ^{+0.02} / _{-0.05}	H ± 5	Wire-wound	Power Film
PRWC3W	PRWC - 3W	6	6	20	0.8	28	1Ω ~ 27Ω	28Ω ~ 33KΩ
PRWC5W	PRWC - 5W	6	6	25	0.8	35	1Ω ~ 200Ω	201Ω ~ 100KΩ
PRWC7W	PRWC - 7W	9	9	25	0.8	35	1Ω ~ 200Ω	201Ω ~ 100KΩ

Derating Curve



Heat Rise Chart



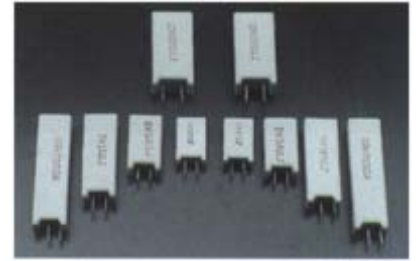
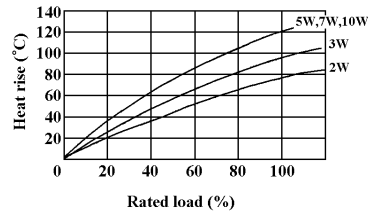
CEMENT FIXED RESISTOR

(2) PRM Type



* PRM 7W: Lead not centered

Heat Rise Chart

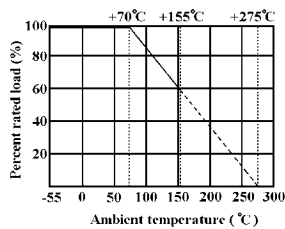


Part No.	Style	Dimension (mm)					Resistance Range	
		W ± 1	D ± 1	L ± 1	d ^{+0.02} / _{-0.05}	P ± 1	Wire-wound	Power Film
PRM02W	PRM-2W	11.5	7.5	20	0.8	5	0.1Ω-27Ω	28Ω-33KΩ
PRM03W	PRM-3W	12.5	8.5	25	0.8	5	0.1Ω-39Ω	40Ω-56KΩ
PRM05W	PRM-5W	12.5	9	25	0.8	5	0.1Ω-47Ω	48Ω-100KΩ
PRM07W	PRM-7W	12.5	9	38	0.8	5	0.1Ω-680Ω	681Ω-200KΩ
PRM0AW	PRM-10W	12.5	9	50	0.8	5	0.1Ω-910Ω	911Ω-200KΩ
PRMA5W	PRMA-5W	12.5	9	25	0.8	7.5	0.1Ω-47Ω	48Ω-100KΩ
PRMAAW	PRMA-10W	16	12	35	0.8	7.5	0.1Ω-560Ω	561Ω-100KΩ
PRMB7W	PRMB-7W	12.5	9	38	0.8	5	0.1Ω-680Ω	681Ω-200KΩ

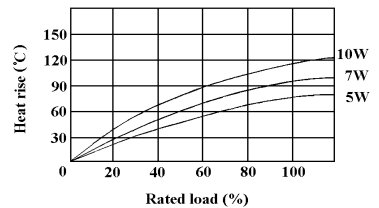
(3) PRS Type



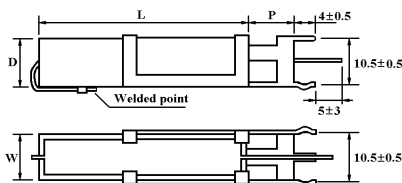
Derating Curve



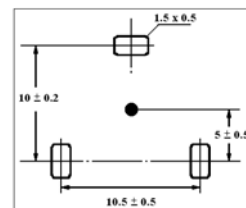
Heat Rise Chart



Part No.	Style	Dimension (mm) ± 1				Resistance Range	
		W	D	L	P	Wire-wound	Power Film
PRS05W	PRS-5W	10	9	22	5	0.1Ω-47Ω	48Ω-100KΩ
PRS07W	PRS-7W	10	9	35	10	0.1Ω-680Ω	681Ω-200KΩ
PRS0AW	PRS-10W	10	9	49	10	0.1Ω-910Ω	911Ω-200KΩ
PRS0FW	PRS-15W	12.5	11.5	49	11	1Ω-1KΩ	



Recommendable hole:



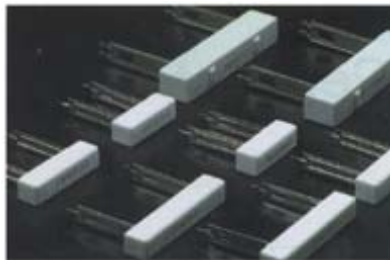
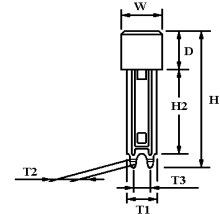
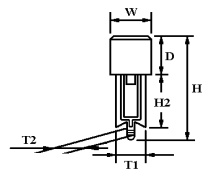
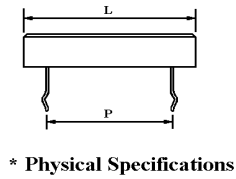
CEMENT FIXED RESISTOR

(4) PRZA-1, PRZA-2, PRZA-3, PRZC, PRZD Type

PRZA-1, PRZA-2, PRZA-3, PRZC, PRZD

PRZA-1, PRZA-2, PRZA-3

PRZC, PRZD



Recommendable Hole

Power Rating	Dimension (mm)		P
	PRZA-1, PRZA-2, PRZA-3	PRZC, PRZD	
5W			15
7W			22
10W			35
15W			32
20W			45

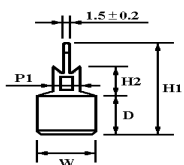
CEMENT FIXED RESISTOR

Dimension

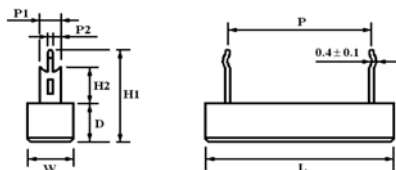
Part No.	Power Rating	Type	Dimension (mm)									Resistance Range	
			W ± 1	D ± 1	L	P ± 1.5	T ₁ ± 1	T ₂ ± 0.2	T ₃ ± 0.5	H ₁ ⁺² / ₋₁	H ₂ ⁺² / ₋₁	Wire-wound	Power Film
PZ1A5W	5W	PRZA-1	10	9	25 ± 1	9.5	7	1.6		24	10	0.1Ω - 120Ω	121Ω - 56KΩ
27 ± 1					15								
PZ2A5W		PRZA-2	10	9	27 ± 1	15	7	1.6		39	25		
PZ3A5W		PRZA-3	10	9	27 ± 1	15	7	1.3		39	25		
PRZC5W		PRZC	10	9	27 ± 1	*15	7	1.5	3.5	36	22		
PRZD5W	PRZD	10	9	27 ± 1	15	7	1.5	3.5	24	10			
PZ1A7W	7W	PRZA-1	10	9	35 ± 1	22	7	1.6		24	10	0.1Ω - 560Ω	561Ω - 100KΩ
PZ2A7W		PRZA-2	10	9	35 ± 1	22	7	1.6		39	25		
PRZC7W		PRZC	10	9	35 ± 1	*22	7	1.5	3.5	36	22		
PRZD7W		PRZD	10	9	35 ± 1	22	7	1.5	3.5	24	10		
PZ1AAW	10W	PRZA-1	10	9	48 ± 1.5	32 / 35	7	1.6		24	10	1Ω - 820Ω	821Ω - 100KΩ
PZ2AAW		PRZA-2	10	9	48 ± 1.5	32 / 35	7	1.6		39	25		
PRZCAW		PRZC	10	9	48 ± 1.5	*32 / *35	7	1.5	3.5	36	22		
PRZDAW		PRZD	10	9	48 ± 1.5	32 / 35	7	1.5	3.5	24	10		
PZ1AFW	15W	PRZA-1	12.5	11.5	48 ± 1.5	32	10	3		35	15	1Ω - 1KΩ	
PZ2AFW		PRZA-2	12.5	11.5	48 ± 1.5	32	10	3		47	30		
PRZCFW		PRZC	12.5	11.5	48 ± 1.5	*32	10	2	5	47	30		
PZ1A20	20W	PRZA-1	12.5	13.5	63 ± 1.5	45	10	3		35	15	2Ω - 1.2KΩ	
PZ2A20		PRZA-2	12.5	13.5	63 ± 1.5	45	10	3		47	30		
PRZC20		PRZC	12.5	13.5	63 ± 1.5	*45	10	2	5	47	30		

*PRZC type Pitch Tolerance = +2 ~ +6

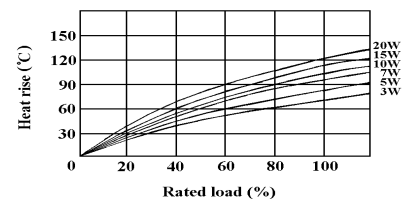
(5) PRVA Type



(6) PRVB Type



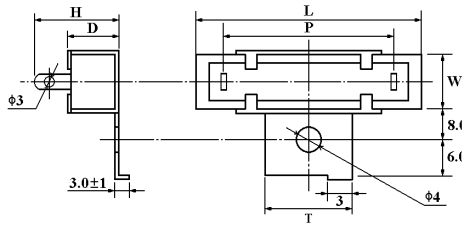
Heat Rise Chart (PRVA / PRVB)



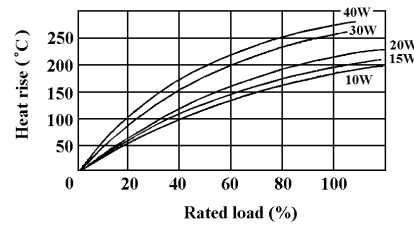
CEMENT FIXED RESISTOR

Part No.	Style PRVA+PRVB	Dimension (mm) ± 1								Resistance Range	
		W	D	L	P	P ₁	H ₁	H ₂	*P ₂ ± 0.2	Wire-wound	Power Film
PRVA3W/ PRVB3W	3W	10.0	9.0	22	9.5	5	25.0	10.5	1.3	0.1Ω ~ 47Ω	48Ω ~ 33KΩ
PRVA5W/ PRVB5W	5W	10.0	9.0	27 / 25	15 / 9.5	5	25.0	10.5	1.3	0.1Ω ~ 120Ω	121Ω ~ 56KΩ
PRVA7W/ PRVB7W	7W	10.0	9.0	35	22	5	25.0	10.5	1.3	0.1Ω ~ 560Ω	561Ω ~ 100KΩ
PRVAAW/ PRVBAW	10W	10.0	9.0	48	35 / 32	5	25.0	10.5	1.3	1Ω ~ 820Ω	821Ω ~ 100KΩ
PRVAFW/ PRVBFW	15W	12.5	11.5	48	32	5	27.5	10.5	1.5	1Ω ~ 1KΩ	
PRVA20/ PRVB20	20W	12.5	13.5	63	45	5	29.5	10.5	1.5	1Ω ~ 1.2KΩ	

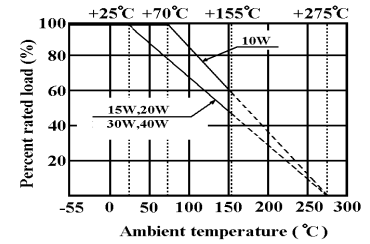
(7) PRT Type



Heat Rise Chart (PRT)

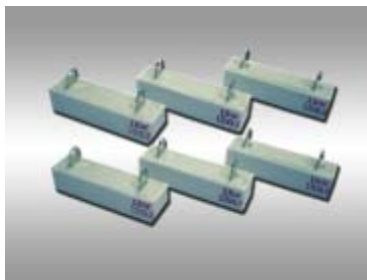
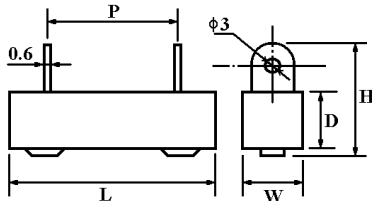


Derating Curve



Part No.	Style	Power Rating	Dimension (mm) ± 1						Resistance Range	
			W	D	L	P	H	T	Wire-wound	Power Film
PRT0AW	PRT - 10W	10W	10	9	48	32	18	12	1Ω ~ 820Ω	821Ω ~ 100KΩ
PRT0FW	PRT - 15W	15W	12.5	11.5	48	32	21	12	1Ω ~ 1KΩ	
PRT020	PRT - 20W	20W	12.5	13.5	63	45	21	12	2Ω ~ 1.2KΩ	
PRT030	PRT - 30W	30W	19	19	75	56	32	18	3Ω ~ 1.5KΩ	
PRT040	PRT - 40W	40W	19	19	90	70	32	18	6Ω ~ 1.5KΩ	

(8) PRU Type



Part No.	Style	Dimension (mm) ± 1					Resistance Range	
		W	D	L	P	H	Wire-wound	Power Film
PRU0AW	PRU - 10W	10.0	9	48	32	18	1Ω ~ 820Ω	821Ω ~ 100KΩ
PRU0FW	PRU - 15W	12.5	11.5	48	32	21	1Ω ~ 1KΩ	
PRU020	PRU - 20W	12.5	13.5	63	45	21	2Ω ~ 1.2KΩ	
PRU030	PRU - 30W	19.0	19	75	56	32	3Ω ~ 1.5KΩ	
PRU040	PRU - 40W	19.0	19	90	70	32	6Ω ~ 1.5KΩ	