



# Cement Power Resistors (RoHS Compliant)

# PRM-RC Series

## FEATURES

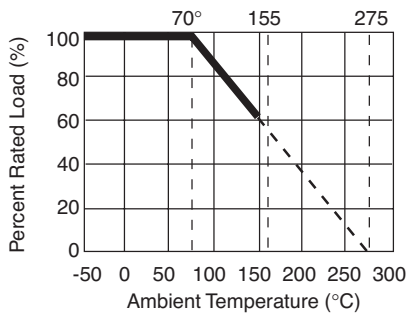
- 5% tolerance
- Exceptionally small, sturdy, and reliable
- Sealed with a special cement
- Excellent moisture resistance
- High temperature stability
- Ceramic flame retardant package
- Recommended wash method is alcohol



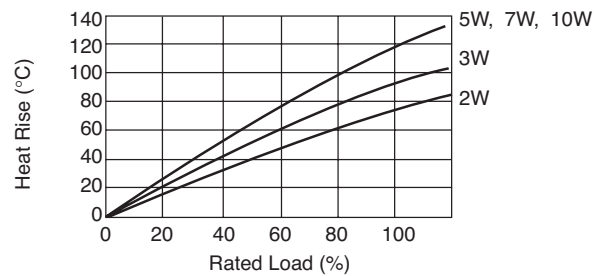
LEAD-FREE

RoHS Compliant

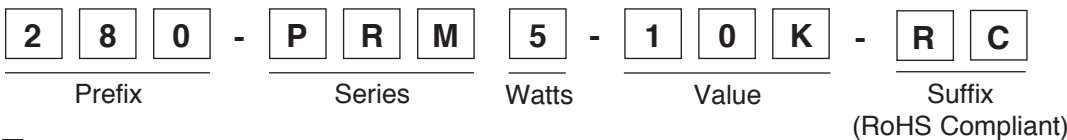
## DERATING CHART



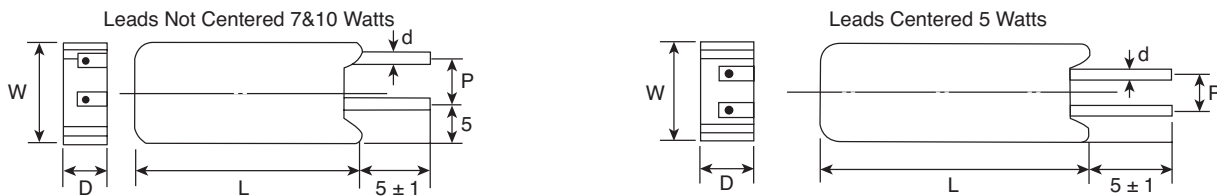
## HEAT RISE CHART



## PART NUMBERING SYSTEM



## SERIES, WATTAGE, VALUE RANGE, AND DIMENSIONS



Series	Watts (W)	Leads	Value Ranges (Ω)		Dimensions (mm)				
			Wirewound	Power Film	W ±1	D ±1	L ±1	ød ±0.05	P ±1
PRM	5	Centered	0.1 ~ 47	48 ~ 100K	12.5	9	25	0.75	5
PRM	7	Not Centered	0.1 ~ 680	681 ~ 200K	12.5	9	38	0.75	5
PRM	10	Not Centered	0.1 ~ 910	911 ~ 200K	12.5	9	50	0.75	5

## STANDARD STOCKED VALUES (Ω) All standard E-24 values not listed are available special order.

0.1	0.3	0.51	1.0	3.0	6.8	15	33	56	68	75	100	150	200	300	330	470	680	1K	2K	4.7K	10K	
0.22	0.47	0.68	2.2	4.7	10	20	47															

## CONSTRUCTION

No.	Subpart Name	Material	Material Generic Name
1	Body	Rod Type Ceramics	Al <sub>2</sub> O <sub>3</sub> , SiO <sub>2</sub>
2	End Cap	Tin plated iron surface	Tin : 5%, Iron : 95%
3	Lead	Annealed copper wire (Electrosolder plated surface) Pb Free	Tin-Coated Copper wire
4	Ceramic Case	Ceramic	Al <sub>2</sub> O <sub>3</sub> , SiO <sub>2</sub>
5	Resistance wire Resistance Film	Ni-Cr Alloy Metal Oxide Film	Ni-Cr Alloy Metal Oxide Film
6	Filling Materials	Quartz mixed sand	SiO <sub>2</sub>

