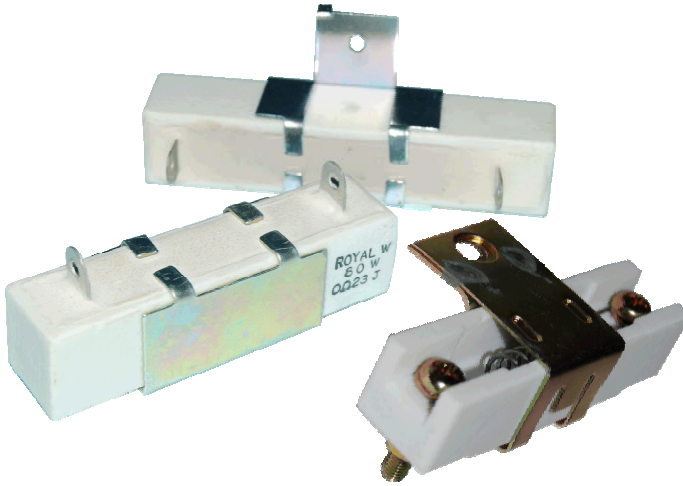


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SUPERIOR QUALITY RESISTORS

## AUTOMOTIVE RESISTORS



**PRT/PRF**



**Step Motor Wiper**

- Self extinguishing
- Excellent flame and moisture resistance
- Too low or too high ohm values on wire-wound
- Stable performance and perfect reliability
- Use for CAR step motor

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[www.uniohm.com](http://www.uniohm.com)

<http://www.BDTIC.com/UniOhm>

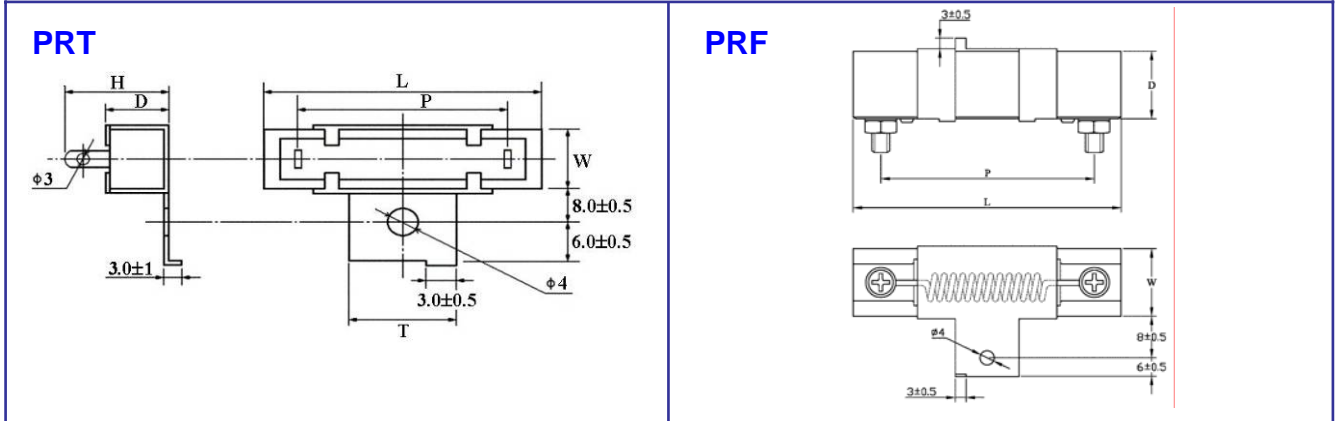
# AUTOMOTIVE RESISTORS

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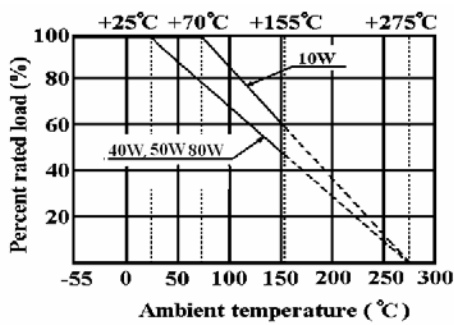
*U need it!*

## CEMENT FIXED RESISTOR

### Structure



### Derating Curve



Type	Power rating	Resistance Range	
		Wire-wound	Power Film
PRT0AW	10W	1Ω ~ 820Ω	821Ω ~ 100kΩ
PRT0FW	15W	1Ω ~ 1kΩ	-
PRT020	20W	2Ω ~ 1.2kΩ	-
PRT030	30W	3Ω ~ 1.5kΩ	-
PRT040	40W	6Ω ~ 1.5kΩ	-
PRT050	50W	0.20Ω ~ 1.0Ω	-
PRT080	80W	0.23Ω ~ 1.0Ω	-
PRF	40W – 80W	0.23Ω ~ 1.0Ω	-

Type	W ± 1	D ± 1	L ± 1	P ± 1	H ± 1	T ± 1
PRT0AW	10	9	48	32	18	12
PRT0FW	12.5	11.5	48	32	21	12
PRT020	12.5	13.5	63	45	21	12
PRT030	19	19	75	56	32 Max	18
PRT040/PRF40	19	19	90	70	32 Max	18
PRT050/PRF50	19	19	90	70	32Max	18
PRT080/PRF80	19	19	75	56/60	35	18

### Characteristic

Test Item	Standard	Test Item	Standard
Short time overload	±(5.0%+0.05Ω)Max	Soldering heat	±(5.0%+0.05Ω)
Temperature cycling	±(2.0%+0.05Ω)Max	Solderability	Min 95% coverage
Humidity	±(5.0%+0.05Ω)Max	Dielectric voltage	No evidence of Flashover
Load life	For Wire-wound range is ±5% For Power film range, <100kΩ is ±5% For Power film range, ≥100kΩ is ±10%	Load life in humidity	For Wire-wound range is ±5% For Power film range, <100kΩ is ±5% For Power film range, ≥100kΩ is ±10%