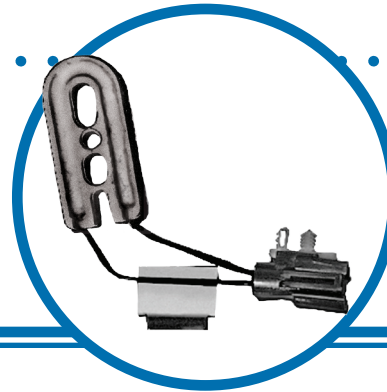


# Automotive Dropping Resistors

## PWHW Series

- TCR of 150 ppm/°C
- Flameproof package
- ±5% Resistance Tolerance
- Maximum Delta R over life <5%
- Typical resistance range of 0.100Ω to 0.900Ω
- Package ratings of 30W, 45W, & 115W for continuous operation at 125°C



## PWHW Series Products

- Fan Speed Control
- Daytime Running Lamps
- Fuel Pump
- Other Running Voltage Applications

## PWHW Construction Accessories

- Lead Harness
- Connector
- Resettable or One Time Fuse
- Mounting Brackets and Relay Fasteners

## Environmental Data

Test	Condition	Duration
Short Time Overload	25°C	10 seconds @ 4x power
Intermittent Operating Life	25°C	400 cycles over 2000 hours
Weld Pull Test	20 lb min	Destructive test
Moisture No-Load Test	32°C / 95% RH	240 hours
Life Test	25°C	30K cycles
Steady State Load Life Test	125°C	160 hours
Low Temp Storage Test	-40°C	24 hours
Resistance to Freezing Test	-40°C	24 hours water soak, 12 hour dwell
Thermal Shock Test	25°C	Load temp water quench, 5 cycles
Salt Solution Soak Test	25°C	96 hours
Vibration Test	25°C	10 G per axis, linear sweep 100-250 hz 4 hours per axis minimum
Temp Cycle - Rated Power*	-40 to 115°C	30 cycles, 2 hour dwell per each extreme
Light Rain / Spray*	25°C	3.2 L/min for 10 minutes
Salt Mist Atmosphere*	25 to 75°C	3.2 L/min for 10 minutes, 96 hour power cycle
Temp Cycle Battery Potential*	-40 to 115°C	Battery potential and open return

\* DRL only

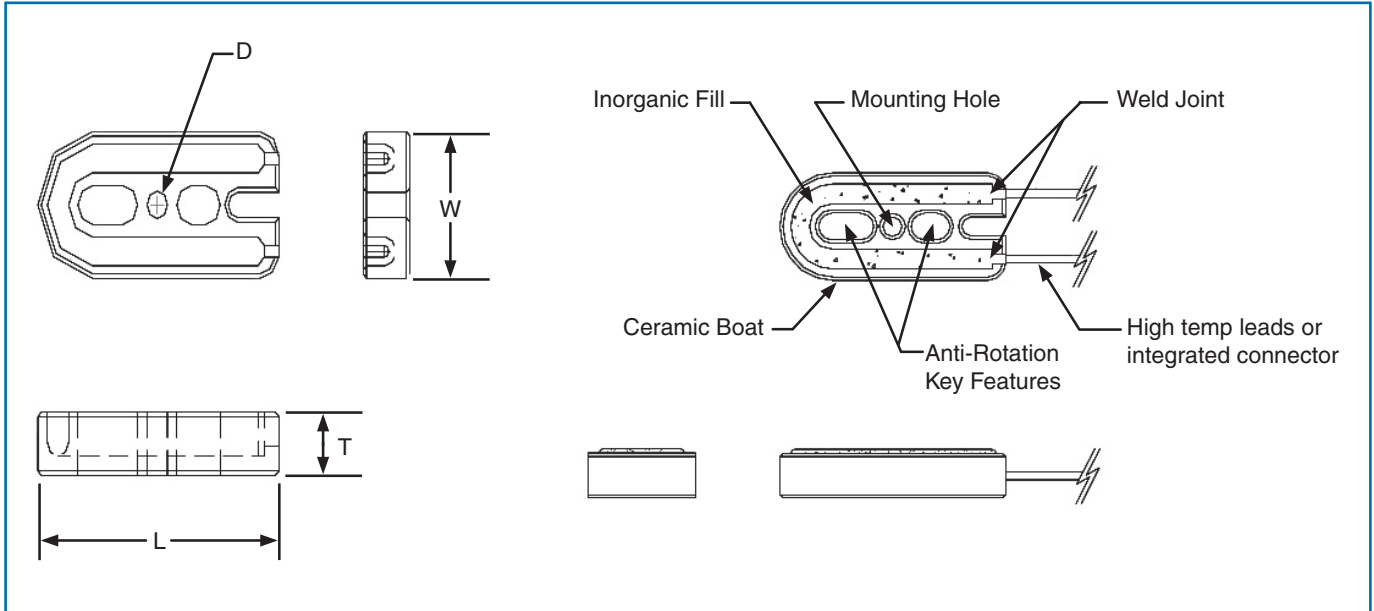
### General Note

IRC reserves the right to make changes in product specification without notice or liability. All information is subject to IRC's own data and is considered accurate at time of going to print.

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# Automotive Dropping Resistors

## Physical Data



### Dimensions

IRC Type	L	W	T	D
<b>PW30</b>	2.846	1.371	0.620	0.273
<b>PW45</b>	2.524	1.175	0.467	0.255
<b>PW115</b>	3.150	1.450	0.620	0.273