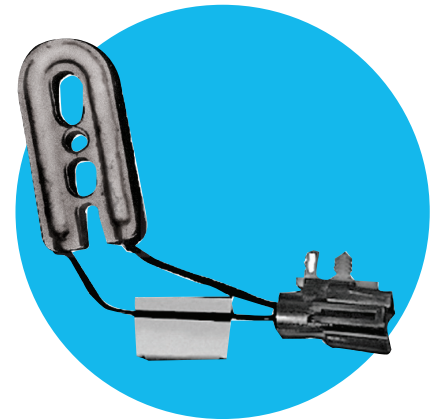


Automotive Dropping Resistors

PWHW Series

- TCR of 150ppm/°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 operations at 125°C

OBSOLETE



All Pb-free parts comply with EU Directive 2011/65/EU amended by (EU) 2015/863 (RoHS3)

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

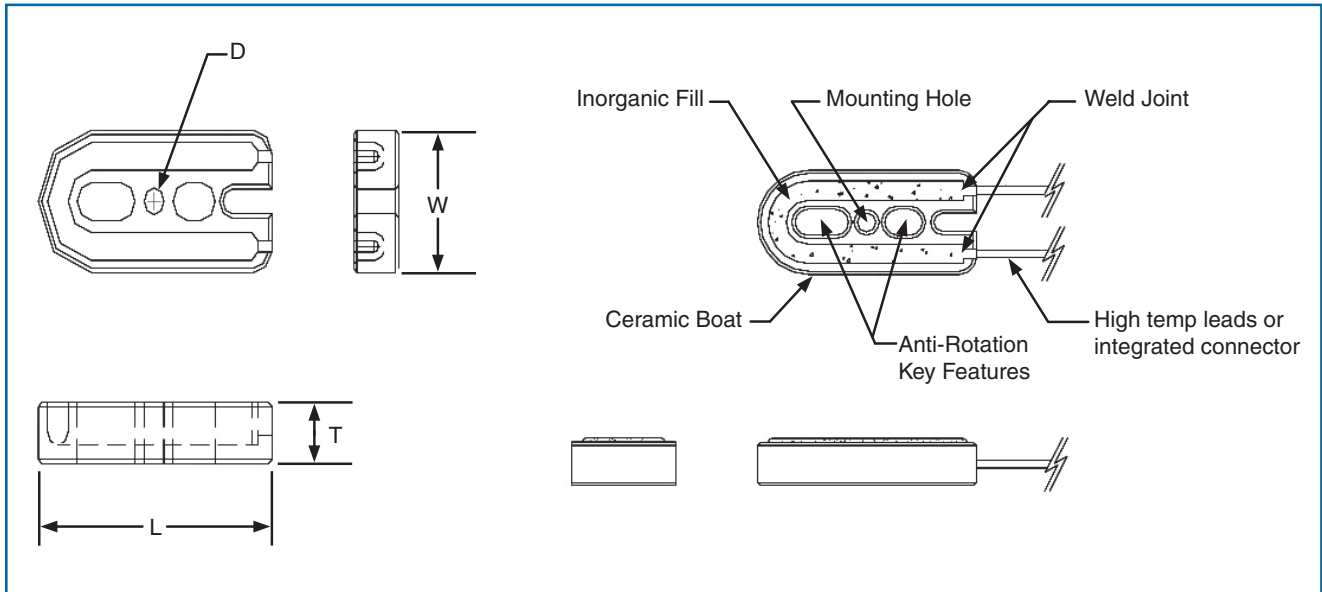
* DRL only

General Note

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

OBSOLETE

Physical Data



Dimensions

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

General Note

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