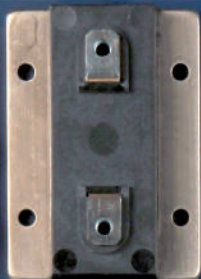


Vishay Sfernice Thick Film Power Resistor Products



Models: LPS 300W, 600W, 800W, 1100W



Model: RPH 100W



Models: RTOP 50 W to 200W



Model: LCH 100W



Model RCH: 50W



Model: RCH 25W



Model: RCH 10W



Model: RCH 5W



Model LTO 100W



Model LTO 50W



Model LTO 30W



Model: RTO 20W



Model: RTO 50W



Model: D2TO 35W SMD



Model: D2TO 20W

Technical Product Descriptions on back of PCB Board
Data Sheets Available upon Request

Vishay Sfernice Thick Film Power Resistor Products - All Parts are RoHS Compliant

MODELS	LPS	RPH	RTOP	LCH	RCH	LTO	RTO	D2TO
Resistance Range	0.3 Ω to 900kΩ 10 Ω to 1.3kΩ (100W only)	0.092 Ω to 1 MΩ	0.046 Ω to 1 MΩ	0.06 Ω to 1 MΩ	0.24 Ω to 1 MΩ	0.010 Ω to 1 MΩ	0.010 Ω to 1 MΩ	0.010 Ω to 500kΩ
Power Rating Mounted	300W, 600W, 800W, 1100W	100W	50W to 200W	100W	5W to 50W	30W to 100W	20W & 50W	20W & 35W
Limiting Element Voltage	5000 VRMS	1900 VRMS	500 to 1500 VRMS	1285 VRMS	160 to 1285 VRMS	250 to 375 VRMS	250 to 300 VRMS	20W & 35W
Temperature Range	-55°C to 120°C (LPS300) -55°C to 155°C (LPS600) -55°C to 175°C (LPS800) -55°C to 200°C (LPS1100)	-55 °C to 125 °C	-55 °C to 125 °C	-55 °C to 125 °C	-55 °C to 125 °C	-55 °C to 125 °C	-55 °C to 155 °C	D2T020: -55 °C to 125 °C D2T035: -55 °C to 175 °C
TC ppm / °C	+/-50 ppm / °C > 1 Ω	+/-50 ppm / °C > 1 Ω	+/-50 ppm / °C > 1 Ω	+/-50 ppm / °C > 1 Ω	+/-50 ppm / °C > 1 Ω	+/-50 ppm / °C > 0.5 Ω	+/-50 ppm / °C > 0.5 Ω	+/-50 ppm / °C > 0.5 Ω
Thermal Resistance	0.039 °C/W	0.55 °C/W	0.5 °C/W to 1 °C/W	10 °C/W	0.8 °C/W to 4.8 °C/W	4.2°C/W to 15 °C/W	RT020 = 6.5 °C/W RT050 = 2.6 °C/W	D2T020 = 6.5 °C/W D2T035 = 4.2 °C/W
Overload Capacity Short Duration (seconds)	2 PR / 5 s	4 PR / 5 s	2.5 PR / 5 s	2 PR / 5 s	2 PR / 5 s	15 PR / 5 s	2 PR / 5 s < 2 Ω 16 PR / 5 s > 2 Ω	D2T020: 2 PR / 5 s < 2 Ω 16 PR / 5 s > 2 Ω D2T035: 17 PR / 5 s < 2 Ω 14 PR / 5 s > 2 Ω
Dielectric Strength	7000 VRMS or 12000 VRMS	5000 VRMS	2500 VRMS	3500 VRMS	2000 to 3500 VRMS	1500 VRMS	2000 VRMS	2000 VRMS
Standard Tolerance (available tolerance)	+/- 5% (1% to 10%)	+/- 5% (1% to 10%)	+/- 5% (1% to 10%)	+/- 5% (1% to 10%)	+/- 5% (1% to 10%)	+/- 5% (1% to 10%)	+/- 5% (1% to 10%)	+/- 5% (1% to 10%)
Product Features	All models have the same packaging size (57mm x 60mm) High Insulation 10M Ω Non-Inductive	Custom Available M4 Screw Connection	4 Model Ranges Custom Available Screw Shunt Connection	Custom Available High Insulation 10M Ω	4 Model Ranges Custom Available Connections: Flot w/holes/ round lead or M2 screw	3 Model Ranges Custom Available Direct mounting ceramic on heatsink	2 Model Ranges Custom Available Through Hole Design	2 Model Ranges Standard package for SMD Solder reflow secure at 270 °C/10s