

Thick Film Power Resistors Feature Power Dissipation of 300 W, 600 W, and 800 W



Vishay Intertechnology, Inc. released 300-W, 600-W, and 800-W thick film power resistors featuring a small size and a broad range of resistance values. The LPS300, LPS600, and LPS800 devices are non-inductive ($<0.1 \mu\text{H}$) and provide a resistance range of 0.3 Ohms to 900 kOhms. Featuring compact footprints of 57 mm x 60 mm, low weight of 83 g., high-power capabilities and high dielectric strength of 12 kVRMS, the devices are intended for power supply, inverter, converter, snubber, and discharge resistor applications in windmills, trains, scanner and X-ray tables, and large UPS drives. Thermal resistance for the LPSxxx resistors at rated power and $+ 85^{\circ}\text{C}$ is 0.112°C/W junction-to-case. The devices feature a standard temperature coefficient of $\pm 150 \text{ ppm}/^{\circ}\text{C}$ for values above 10 Ohms and tolerances from ± 1 percent to ± 10 percent. Pricing in standard 100-piece orders is \$25 for the LPS300, \$30 for the LPS600, and \$50 for the LPS800.

Vishay Intertechnology

610-407-4800, www.vishay.com [1]

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