



THICK FILM RESISTORS

LPS 300, LPS 600, LPS 800



Thick Film Power Resistor for Mounting onto a Heatsink

KEY BENEFITS

- High-power dissipation: 300 W, 600 W, and 800 W at 85 °C
- Small size: 57 mm x 60 mm
- Non-inductive: < 0.1 μ H
- Wide resistance range: from 0.3 Ω to 900 k Ω , E24 series
- High-dielectric strength: up to 12 kV_{RMS}
- Low weight: 83 g

APPLICATIONS

- Wind turbines
- Inverters
- Converters
- Snubbers
- Discharge resistors
- Power supplies in trains and medical equipment

Datasheet is available on our web site at www.vishay.com
 for LPS 300 - <http://www.vishay.com/doc?50052>
 for LPS 600 - <http://www.vishay.com/doc?50053>
 for LPS 800 - <http://www.vishay.com/doc?50054>



Power Resistor for Mounting onto a Heatsink Thick Film Technology



FEATURES

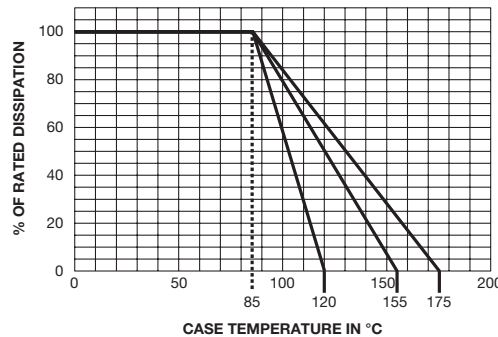
- 300 W, 600 W, and 800 W at 85 °C case temperature
- Wide resistance range: 0.3 Ω to 900 kΩ E24 series
- Non inductive
- Easy mounting
- Low thermal radiation of the case
- Compliant to RoHS directive 2002/95/EC



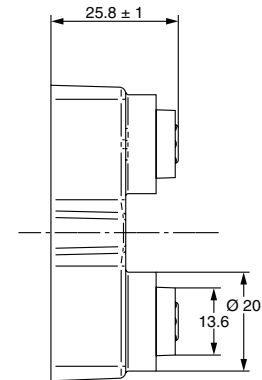
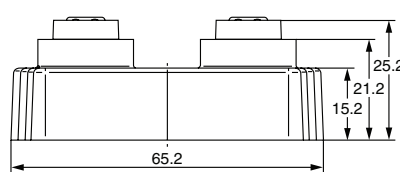
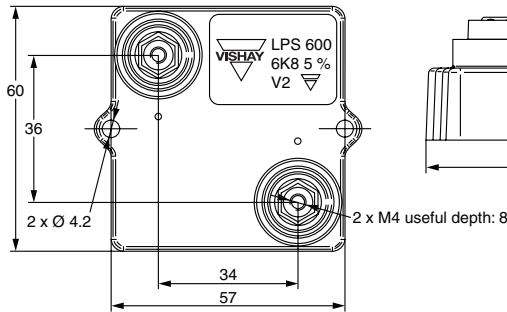
RoHS COMPLIANT

POWER RATING CHART

LPS 300 = 120 °C LPS 600 = 155 °C LPS 800 = 175 °C



DIMENSIONS in millimeters



Tolerance unless stated: ± 0.2 mm

GLOBAL PART NUMBER INFORMATION

L P S 0 6 0 0 H 4 7 R 0 J B

GLOBAL MODEL	DIELECTRIC	OHMIC VALUE	TOLERANCE	PACKAGING	SPECIAL
LPS 300 LPS 600 LPS 600	L = Dielectric strength 7 kV H = Dielectric strength 12 kV	The first three digits are significant figures and the last digit specifies the number of zeros to follow. R designates decimal point. 48R7 = 48.7 Ω 47R0 = 47 Ω 1001 = 1 kΩ 4R70 = 4.7 Ω R240 = 0.24 Ω	F = 1 % G = 2 % J = 5 % K = 10 %	B = Box 15 pieces N = Box 15 pieces N/A (1 to 14 pieces by box)	As applicable ZAx

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