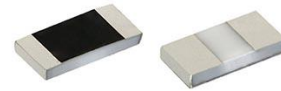




PHPA AEC-Q200 Qualified Thin Film Wraparound Chip Resistors Feature High Power Ratings to 2.5 W with Superior Moisture Resistance in the 1206 and 2512 Case Sizes, Delivering Precision Performance with Low TCR Down to ± 25 ppm/ $^{\circ}$ C and Tolerance to ± 0.1 %

Product Benefits:

- AEC-Q200 qualified
- High power ratings up to 2.5 W
- 1206 and 2512 case sizes
- Self-passivated tantalum nitride film
- Low absolute TCR down to ± 25 ppm/ $^{\circ}$ C
- Tolerances down to ± 0.1 %
- Resistance range from 10 Ω to 30.1 k Ω
- Low noise of less than -30 dB
- Low voltage coefficients of < 0.1 ppm/V
- Working voltage of 200 V
- RoHS-compliant and halogen-free
- Flame-resistant in accordance with UL 94 V-0
- Operate over a wide temperature range of -55 $^{\circ}$ C to $+155$ $^{\circ}$ C



Market Applications:

- Automotive power supplies, braking systems, on-board chargers, and motor deflection circuits
- Industrial test and measurement equipment

The News:

Vishay Intertechnology introduces a new series of AEC-Q200 qualified, high power thin film wraparound chip resistors. The Vishay Dale Thin Film PHPA series devices combine power ratings of 1.0 W and 2.5 W in the 1206 and 2512 case sizes, respectively, with a self-passivated tantalum nitride film for superior moisture resistance.

- Featuring a high purity ceramic substrate, the resistors are designed with enlarged backside terminations to reduce the thermal resistance between the topside resistor layer and the solder joint on the PCB

The Key Specifications:

Case size	1206	2512
Power rating (mW)	1000	2500
Working voltage (V)	200	
Resistance range (Ω)	12 to 30.1 k	10 to 30.1 k



NEW PRODUCT INFORMATION



Product Group: Vishay Dale Thin Film, Resistors / September 2021

Availability:

Samples of the PHPA series are available now. Production quantities are available from franchised distributors, with lead times of 10 to 12 weeks.

To access the product datasheet on the Vishay Website, go to <http://www.vishay.com/ppg?60160> (PHPA)

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