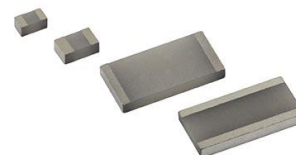


## New ThermaWick™ THJP Series SMD Thermal Jumper Chip Removes Heat From Electrically Isolated Components to Reduce Component Temperature by Over 25 %, Enabling Higher Power Handling Capability or Longer Useful Life

### Product Benefits:

- Electrically isolated thermal conductor
- Aluminum nitride substrate with high 170 W/m<sup>2</sup>K thermal conductivity
- Reduces the temperature of connected components by over 25 %
- Low capacitance down to 0.07 pF
  - Ideal for high frequency and thermal ladder applications
- Available in six case sizes from 0603 to 2512, with custom sizes available
  - 0612 and 1225 cases feature long side terminations for additional heat transferring capability
- Available with lead (Pb)-bearing and lead (Pb)-free wraparound terminations



### Market Applications:

- Power supplies and converters; RF amplifiers; synthesizers; pin and laser diodes; and filters for AMS, industrial, and telecommunications applications

### The News:

Vishay Intertechnology introduces the ThermaWick™ THJP series surface-mount thermal jumper chip. The Vishay Dale Thin Film device allows designers to transfer heat from electrically isolated components by providing a thermal conductive pathway to a ground plane or common heatsink.

- Allows designers to increase the power handling capability of connected devices or extend their useful life at existing operating conditions, while maintaining the electrical isolation of each component
- Protects adjacent devices from thermal loads, improving overall circuit reliability

### The Key Specifications:

Case size	Thermal resistance (°C/W)	Thermal conductance (mW/°C)	Capacitance (pF)
0603	14	70	0.07
0612	4	259	0.26
0805	13	77	0.15
1206	15	65	0.07
1225	4	259	0.26
2512	15	65	0.07



## NEW PRODUCT INFORMATION



**Product Group:** Vishay Dale Thin Film, Thermal Jumpers / **March** 2020

### Availability:

Samples and production quantities of the ThermaWick THJP series thermal jumper will be available in Q1 2020, with lead times of six weeks.

To access the product datasheet on the Vishay Website, go to  
<http://www.vishay.com/ppg?60157> (ThermaWick™ Thermal Jumper Surface Mount Chip)

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