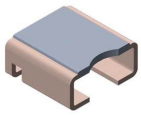
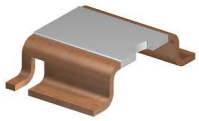
Higher Power Ratings Up to 12 W for WSLP2726 and WSLP4026 Power Metal Strip® Resistors

Designers face ever-increasing power supply requirements to increase the power density of their circuits. This can be done with multiple resistors in parallel, but using a single high power resistor will offer the advantages of:





- Greater measurement accuracy
- Board space savings
- Increased reliability with fewer failure points
- Reduced cost for a single component versus multiple components, in addition to lowering associated placement costs

The WSLP2726 and WSLP4026 Power Metal Strip® resistors are newly qualified for operation at even higher power ratings of 12 W at an on-resistance of 0.2 mΩ and 10 W at 0.3 mΩ. This increase provides higher power density without compromising on TCR performance and current measurement accuracy.

Additional Resources:

- SMD Current Sense: AEC-Q200 vs Vishay Qualification – Details the differences of standard AEC-Q200 requirements as compared to the additional testing Vishay requires for Automotive Grade
- Temperature Coefficient of Resistance for Current Sensing – White paper detailing the origin of TCR and how resistor construction affects performance, as well as comparing competitor specifications

Contact Vishay for more details regarding specific TCR performance, qualification data, or other technical questions for SMD current sensing at ww2bresistors@vishay.com.

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