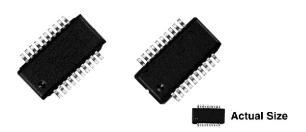


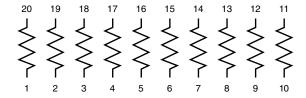


Molded, 25 mil Pitch, Dual-In-Line Thin Film Resistor, Surface Mount Network



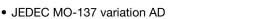
OSOP Series resistor networks feature a space saving 25 mil lead pitch versus the current 50 mil pitch standard. This allows users to reduce board space more than 50 % over current standards. The OSOP Series feature 10 isolated resistors in a 20 lead style available for immediate delivery in the standard values listed.

SCHEMATIC



FEATURES

- 0.068" (1.73 mm) maximum seated height
- Rugged molded case construction with no internal solder



- Compliant to RoHS Directive 2002/95/EC
- Halogen-free according to IEC 61249-2-21 definition

Pb-free Available ROHS* COMPLIANT HALOGEN FREE

Note

* Pb containing terminations are not RoHS compliant, exemptions may apply

TYPICAL PERFORMANCE

| | ABSOLUTE | TRACKING |
|------|----------|----------|
| TCR | 25 | 5 |
| | ABSOLUTE | RATIO |
| TOL. | 0.1 | 0.05 |

| STANDARD RESISTANCE OFFERING (R ₁ =) | | |
|---|--------|--|
| 500 Ω | 10 kΩ | |
| 1 kΩ | 20 kΩ | |
| 2 kΩ | 50 kΩ | |
| 5 kΩ | 100 kΩ | |

Note

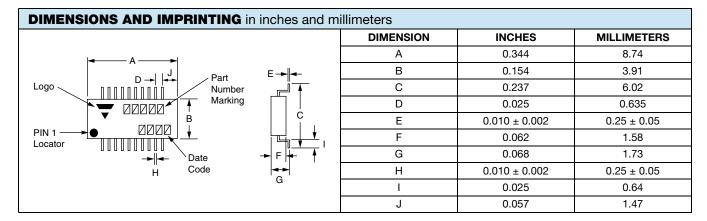
· Consult factory for additional values and schematics

| TEST | SPECIFICATIONS | CONDITIONS |
|--------------------------------|---|---------------------|
| Material | Passivated nichrome | = |
| Pin/Lead Number | 20 | = |
| Resistance Range | 500 Ω to 100 k Ω per resistor | = |
| TCR: Absolute | ± 25 ppm/°C | - 55 °C to + 125 °C |
| TCR: Tracking | ± 5 ppm/°C | - 55 °C to + 125 °C |
| Tolerance: Absolute | ± 0.1 % to 1 % | + 25 °C |
| Tolerance: Ratio | ± 0.025 % to 0.5 % | + 25 °C |
| Power Rating: Resistor | 100 mW | Maximum at + 70 °C |
| Power Rating: Package | 400 mW | Maximum at + 70 °C |
| Stability: Absolute | ΔR ± 0.05 % | 2000 h at + 70 °C |
| Stability: Ratio | ΔR ± 0.015 % | 2000 h at + 70 °C |
| Voltage Coefficient | < 0.1 ppm/V (typical) | - |
| Working Voltage | 100 V max. not to exceed √P x R | = |
| Operating Temperature Range | - 55 °C to + 125 °C | = |
| Storage Temperature Range | - 55 °C to + 150 °C | = |
| Noise | < - 30 dB | = |
| Thermal EMF | 0.08 μV/°C | = |
| Shelf Life Stability: Absolute | ΔR ± 0.01 % | 1 year at + 25 °C |
| Shelf Life Stability: Ratio | ΔR ± 0.002 % | 1 year at + 25 °C |

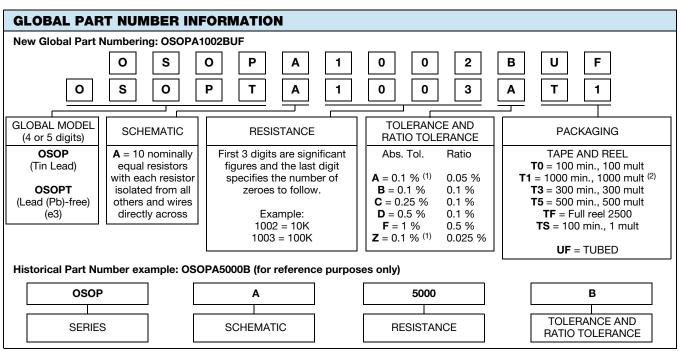
Revision: 20-Oct-11 1 Document Number: 60002



Vishay Dale Thin Film



| MECHANICAL SPECIFICATIONS | | |
|------------------------------------|---------------------|--|
| Resistive Element | Passivated nichrome | |
| Substrate Material | Silicon | |
| Body | Molded epoxy | |
| Terminals | Copper alloy | |
| Lead (Pb)-free Option | 100 % matte tin | |
| Tin Lead Option | Sn90 | |
| Tin Lead and Lead (Pb)-free Finish | Plated | |



Notes

- (1) Tolerance available 1K and up
- (2) Preferred packaging code



Legal Disclaimer Notice

Vishay

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