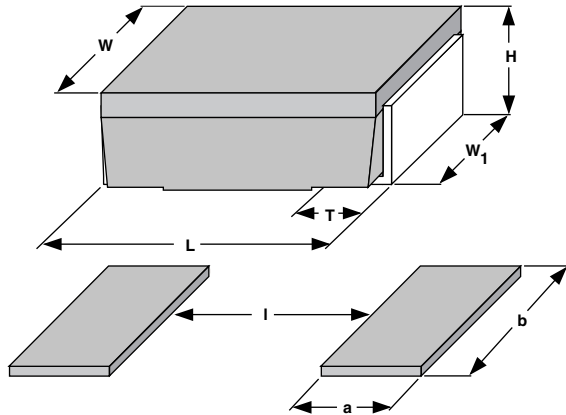


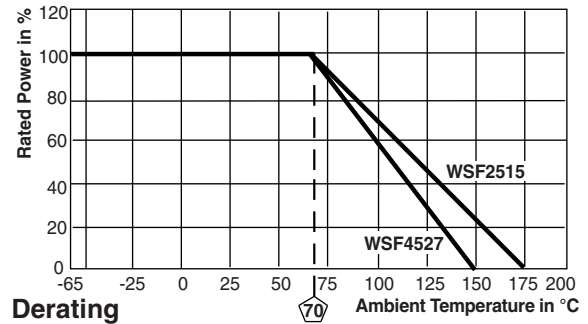
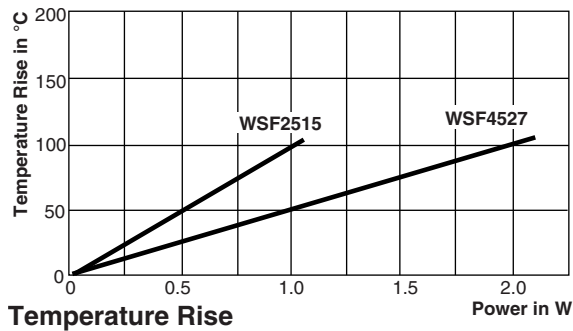
DIMENSIONS


| MODEL | DIMENSIONS in inches (millimeters) | | | | |
|---------|------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | L | H | T | W | W ₁ |
| WSF2515 | 0.250 ± 0.020 (6.35 ± 0.508) | 0.110 ± 0.015 (2.79 ± 0.381) | 0.045 ± 0.010 (1.14 ± 0.254) | 0.150 ± 0.005 (3.81 ± 0.127) | 0.098 ± 0.005 (2.49 ± 0.127) |
| WSF4527 | 0.455 ± 0.020 (11.56 ± 0.508) | 0.167 ± 0.010 (4.24 ± 0.254) | 0.100 ± 0.010 (2.54 ± 0.254) | 0.275 ± 0.005 (6.98 ± 0.127) | 0.215 ± 0.005 (5.46 ± 0.127) |

| MODEL | SOLDER PAD DIMENSIONS in inches (millimeters) | | |
|---------|---|--------------|--------------|
| | a | b | l |
| WSF2515 | 0.090 (2.29) | 0.115 (2.92) | 0.120 (3.05) |
| WSF4527 | 0.155 (3.94) | 0.230 (5.94) | 0.205 (5.21) |

Note

- WSF2012 has been obsoleted; PTN-DR-00013-2018 Rev. 0 - July 20, 2018. WSF2515 and WSF4527 sizes are **not** affected



| PERFORMANCE | | |
|---------------------------|--|-----------------------|
| TEST | CONDITIONS OF TEST | TEST LIMITS |
| Thermal shock | -55 °C to +150 °C, 1000 cycles, 15 min at each extreme | ± (1.0 % + 0.05 Ω) ΔR |
| Short time overload | 5 x rated power for 5 s | ± (0.5 % + 0.05 Ω) ΔR |
| Low temperature storage | -65 °C for 24 h | ± (0.5 % + 0.05 Ω) ΔR |
| High temperature exposure | 1000 h at +175 °C (150 °C for WSF4527) | ± (1.0 % + 0.05 Ω) ΔR |
| Bias humidity | +85 °C, 85 % RH, 10 % bias, 1000 h | ± (0.5 % + 0.05 Ω) ΔR |
| Moisture resistance | MIL-STD-202 method 106, 0 % power, 7a and 7b not required | ± (0.5 % + 0.05 Ω) ΔR |
| Mechanical shock | 100 g's for 6 ms, 5 pulses | ± (0.5 % + 0.05 Ω) ΔR |
| Vibration | Frequency varied 10 Hz to 500 Hz in one min, 3 directions, 9 h | ± (0.5 % + 0.05 Ω) ΔR |
| Load life | 1000 h at rated power, +70 °C, 1.5 h "ON", 0.5 h "OFF" | ± (1.0 % + 0.05 Ω) ΔR |
| Resistance to solder heat | +260 °C solder, 10 s to 12 s dwell, 25 mm/s emergence | ± (0.5 % + 0.05 Ω) ΔR |

| PACKAGING | | | | |
|-----------|--------------------------|--------------|-------------|-------|
| MODEL | REEL | | | |
| | TAPE WIDTH | DIAMETER | PIECES/REEL | CODE |
| WSF2515 | 16 mm / embossed plastic | 330 mm / 13" | 2000 | EA/TA |
| WSF4527 | 24 mm / embossed plastic | 330 mm / 13" | 1200 | EA/TA |

Notes

- Embossed carrier tape per EIA-481
- WSF2012 has been obsoleted; PTN-DR-00013-2018 Rev. 0 - July 20, 2018. WSF2515 and WSF4527 sizes are **not** affected
- Additional packaging details at www.vishay.com/doc?20051



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