

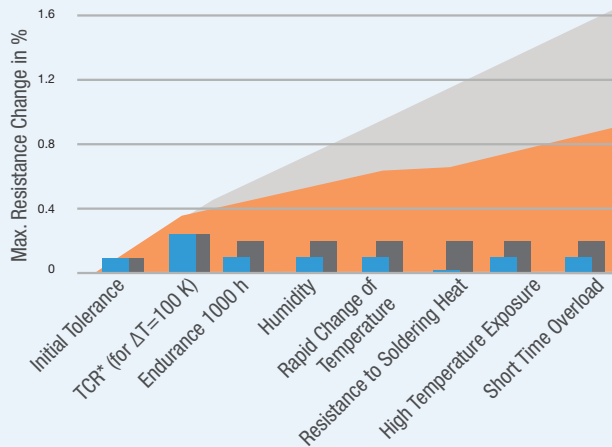


THIN FILM VS. PRECISION THICK FILM CHIP RESISTORS

TCR ± 25 ppm/K, ± 0.1 % TOLERANCE

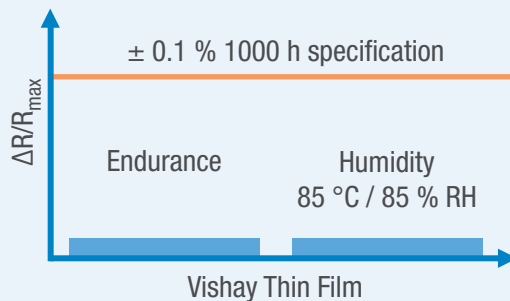
TOTAL ERROR BUDGET

- Cumulated total error budget thick film
- Cumulated total error budget thin film
- Thick Film
- Vishay Thin Film

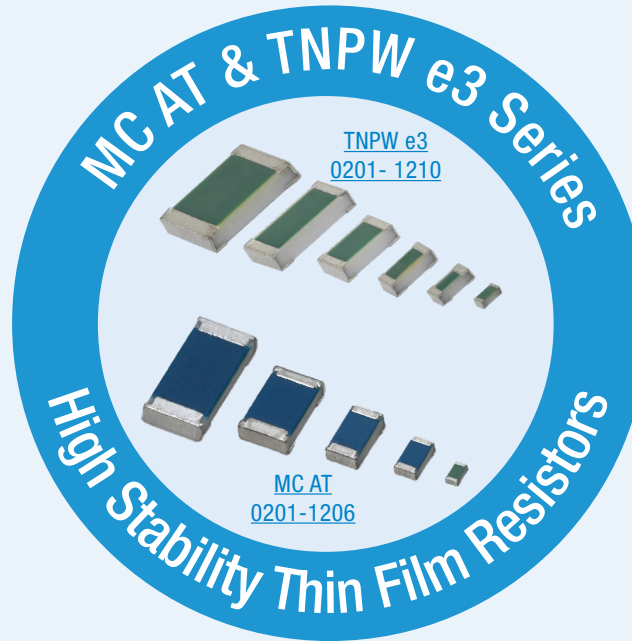


LONG TERM STABILITY

(Typical) max. resistance change
 $\Delta R/R$ after 10 000 h



* For thick film, the TCR is defined as ± 25 ppm/K at warm temperatures up to +125 °C, while in cold temperatures down to -55 °C it is TCR ± 50 ppm/K



APPLICATIONS



AUTOMOTIVE



INDUSTRIAL

Vishay thin film resistors are suitable for applications at up to 175 °C operating temperature.



RoHS COMPLIANT **HALOGEN FREE** **GREEN (S-2008)**

AVAILABLE RESISTANCE RANGE

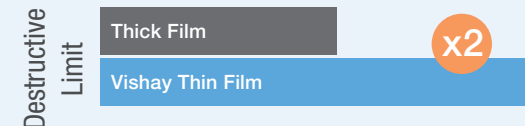
for TCR* ± 25 ppm/K / ± 0.1 % Tolerance

22 Ω - 40 k Ω	0201
300 Ω - 1 M Ω	0402
1 Ω - 1 M Ω	
10 Ω - 1 M Ω	0603
1 Ω - 2 M Ω	
10 Ω - 3 M Ω	0805
1 Ω - 7.5 M Ω	
10 Ω - 5.1 M Ω	1206
1 Ω - 10 M Ω	
10 Ω - 3.01 M Ω	1210

Thick Film Vishay Thin Film

PULSE LOAD CAPABILITY

Case size 0805, 1 k Ω , 3 ms pulse duration



SULFUR RESISTANCE AT 105 °C

