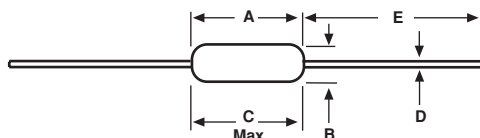


DIMENSIONS in inches [millimeters]


* 1.08 ± 0.125 [27.43 ± 3.18] IF TAPE AND REEL

MODEL	A	B	C (Max.)	D	E
ERC-50	0.150 ± 0.020 [3.81 ± 0.51]	0.070 ± 0.010 [1.78 ± 0.25]	.187 [4.75]	0.016 [0.41]	1.25 ± 0.266 [31.75 ± 6.76]
ERC-55	0.250 + 0.031 - 0.046 [6.35 + 0.79 - 1.17]	0.091 ± 0.009 [2.31 ± 0.23]	.300 [7.62]	0.025 [0.64]	1.50 ± 0.125 [38.1 ± 3.18]
ERC-55-200	0.280 ± 0.020 [7.11 ± 0.51]	0.094 ± 0.009 [2.39 ± 0.23]	.350 [8.89]	0.025 [0.64]	1.50 ± 0.125 [38.1 ± 3.18]
ERC-65	0.562 ± 0.031 [14.27 ± 0.79]	0.180 ± 0.015 [4.57 ± 0.38]	.687 [17.45]	0.025 [0.64]	1.50 ± 0.125 [38.1 ± 3.18]
ERC-70	0.562 ± 0.031 [14.27 ± 0.79]	0.180 ± 0.015 [4.57 ± 0.38]	.687 [17.45]	0.032 [0.81]	1.50 ± 0.125 [38.1 ± 3.18]

MATERIAL SPECIFICATIONS

Element:	Vacuum-deposited nickel-chrome alloy	Encapsulation:	Specially formulated epoxy compound
Core:	Fire-cleaned high purity ceramic	Termination:	Standard lead material is solder-coated copper Solderable and weldable per MIL-STD-1276, Type C.

POWER RATING

Power ratings are based on the following two conditions:
1. ± 2.0% maximum ΔR in 10000 hours load life.
2. + 175°C maximum operating temperature.

APPLICABLE MIL-SPECIFICATIONS
MIL-PRF-55182:

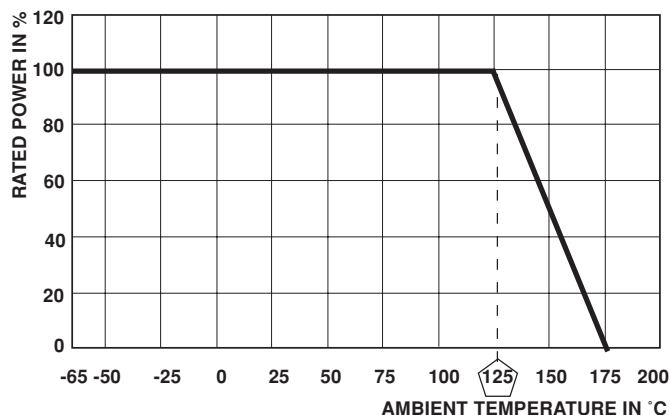
The ERC series meets the electrical, environmental and dimensional requirements of MIL-PRF-55182.

MIL-PRF-10509:

MIL-PRF-55182 supercedes MIL-PRF-10509 on new designs. The ERC series meets or exceeds MIL-PRF-10509 requirements.

Documentation: Qualification and failure rate verification test data is maintained by Vishay Dale and is available upon request. Lot traceability and identification data is maintained by Vishay Dale for five years.

Vishay Dale ERC resistors have an operating temperature range of - 65°C to + 175°C. They must be derated according to the following curve:


DERATING
MARKING

— Per MIL-PRF-55182