

IEC – Climatic Category

The permissible climatic stress on an aluminium electrolytic capacitor is given by the respective IEC climatic category. Following IEC 60068-1, the climatic category is composed by 3 groups of numbers, separated by slashes.

Example 40/85/56.

1st group: Lower category temperature (temperature limit) denoting the test temperature for test A (cold) to IEC 60068-2-1

2nd group: Upper category temperature (temperature limit) denoting the test temperature for test B (dry heat) to IEC 60068-2-2

3rd group: Number of days, the duration of test C (damp heat, steady state) at a relative humidity of 93 +2/-3% and an ambient temperature of 40°C, to IEC 60068-2-78.

