



W I M A QUALITY ASSURANCE

TECHNICAL INFORMATION

Subject: Storage / Processing of WIMA Capacitors

Components: Leaded WIMA Capacitors / „THT-Technology“

WIMA Type: Capacitors of all WIMA Series with unidirectional Leads

Contrary to e. g. liquid aluminium electrolytic capacitors there is no “best before” date for plastic film capacitors.

In accordance with IEC/EN specifications the minimum storage time for leaded capacitors for through-hole assembly is defined at

$$t > 2 \text{ a}$$

This corresponds to an ageing test level in accordance with IEC 60068-2-20 (solderability test) at

$$\Delta t = 16 \text{ h at } T = 155 \text{ }^{\circ}\text{C}$$

dry heat, applied to the wire terminations.

WIMA plastic film and metallized paper capacitors are components tested according to these requirements, please also compare the technical data given in the current WIMA main catalogue.

The surface refinement of the leads (pins) of WIMA components is implemented using a pure matte tin (Sn) layer > 5 mm thickness. Provided the capacitors are stored under supervised ambient conditions, e. g. $T = 25 \text{ }^{\circ}\text{C} \pm 10 \text{ }^{\circ}\text{C}$ and < 75 % relative humidity, even under storage lasting two years no negative effects in terms of ageing are to be expected.

From case to case it is advisable that the user checks the solderability of capacitors having been stored for a longer period of time and/or under improper conditions.

Abteilung: Technical Support

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