KO-CAP T521 High Voltage

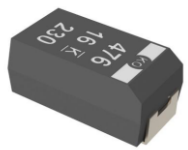
T521 Series

KO-CAP polymer electrolytic capacitors combine the stable capacitance of tantalum technology with the reduced ESR of the conductive polymer counter electrode, bringing key miniaturization, thermal management and long life 12V to 48V applications

Benefits

- Stable capacitance over temperature -55ºC to 125ºC
- Stable capacitance over voltage (no DC bias effect)
- High Volumetric Efficiency
- No piezoelectric noise
- New Upgrade Category Voltage 0.8Ur
- Qualification up to 2000h
- Low DCL capability under K and I codes.
- Manufacturing TS16949 certified plant.

Tools & Resources

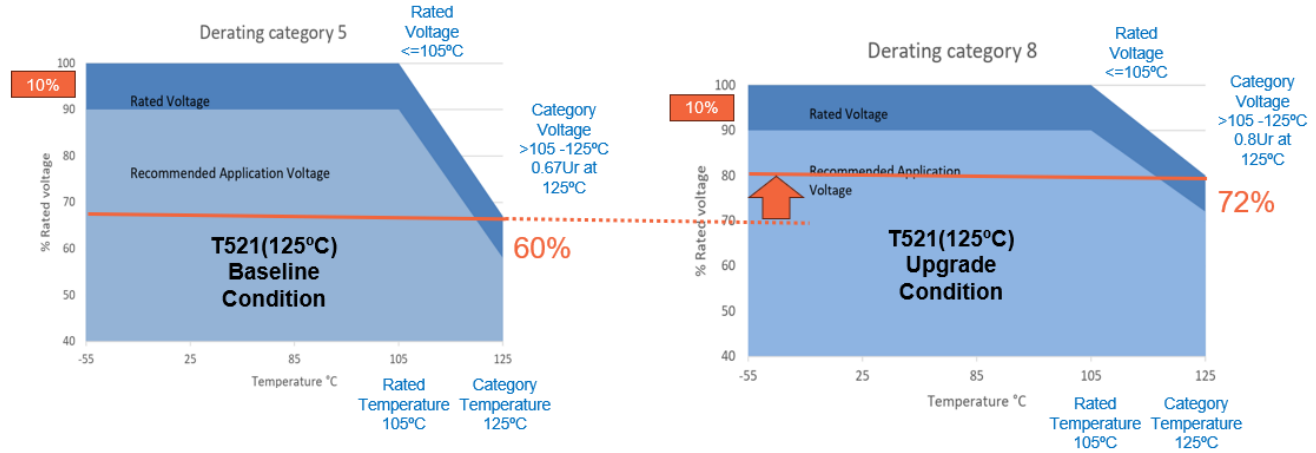


https://content.kemet.com/datasheets/KEM_T2076_T52X-530.pdf

Features

- Tantalum Polymer General Purpose High Voltage
- **Improvement: Category Voltage 0.67Ur → 0.8Ur at 125ºC**

Rated Voltage VDC at 105°C	Rated Capacitance	Case Code/ Case Size	KEMET Part Number	DC Leakage	DF	ESR	Maximum Allowable Ripple Current	Endurance	MSL	Maximum Operating Temperature	Derating Category
Not all parts are 105°C rated	µF	KEMET/EIA	(See below for part options)	µA at 25°C Maximum/ 5 Minutes	% at 25°C 120 Hz Maximum	mΩ at 25°C 100 kHz Maximum	(rms) mA at +45°C 100 kHz	(Hours)	Reflow Temp ≤ 260°C	°C	New category



Applications

- Cloud Infrastructure
- Servers, AI servers, routers, telecom
- Computing
- Industrial (Automation, Robots, …)
- Power Management DC/DC

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