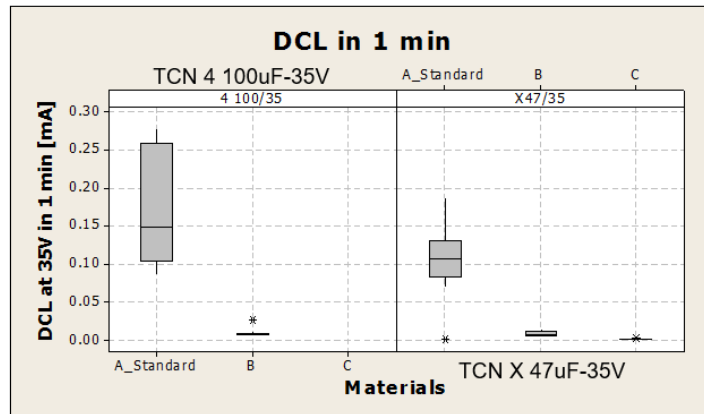


Conductive Polymer Product J-CAP™ Series

PRODUCT SPECIFICATIONS UPDATE

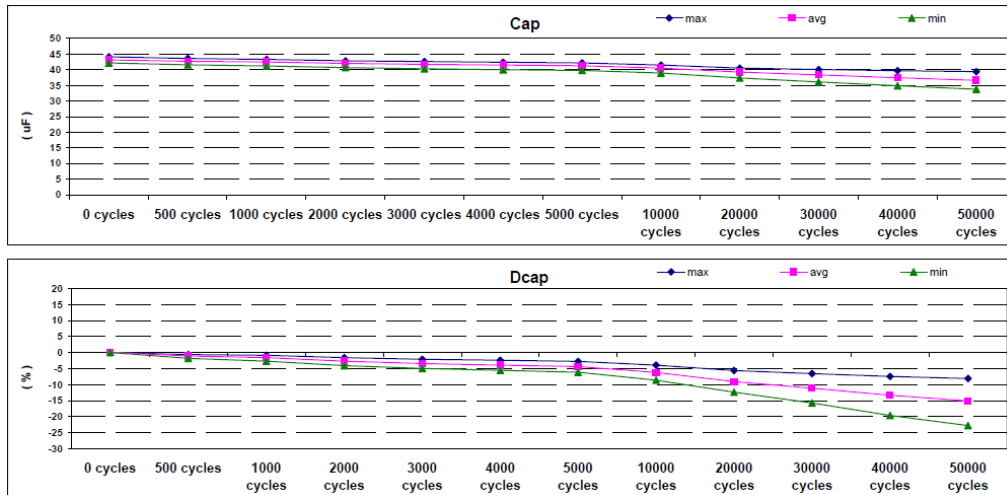
As part of our continuous improvement programs and as response to our enterprise SSD customers appeal for faster charging time after harsh reflow soldering conditions AVX has updated the ESR of selected J-CAP series. Another request was to improve the capacitance stability under long-term charge/discharge based on the end users wishes to increase the service lifetime.

AVX is now able to offer improvements for the above mentioned requests via proprietary enhancements to our J-Cap SSD line of capacitors. The charging rate is significantly reduced for many PN's, especially for 35V ratings:



DC Leakage current of previously reflowed 35V capacitors (standard vs. improved) at 1min test time. Material "B" represents the new improved version related to new PN TCNX476M035R0150

The capacitance stability under long-term charge/discharge at elevated temperature improved as well:



Capacitance and Capacitance change of improved TCN X 47uF-35V after 50k C/D cycles at 70C/27V (20sec on/off 300msec charge/30ms discharge).

On some PN's the ESR increases; in the case of TCNX476M0350100, the initial ESR limit requires adjustment from the original 100mohm to 150mohm TCNX476M0350150, which so far has been accepted by all customers.