



The DNA of tech.™



Using TMCM Series Tantalum Molded Capacitors as an Alternative for General Purpose Molded Tantalum Chip Capacitors

The supplier base for standard tantalum capacitors has declined dramatically over the last 10 years. This leaves the component supply chain vulnerable to unforeseen impacts due to shortages, trade wars, natural disasters, or other force majeure events such as pandemics. To help broaden your supply chain and reduce sourcing instability, our TMCM solid tantalum surface-mount chip capacitor series offers a reliable alternative to other standard offerings on the market today.

The TMCM is EIA-717 qualified, ensuring fit, form, function, temperature stability, and solderability specifications are met without the need for costly qualification testing.

Manufactured in Japan using precision manufacturing equipment and techniques, the TMCM series is also available in an ultra flat, low profile (TMCU) design for space-constrained PCB designs.

The reference table below highlights some of the devices' key design parameters:

Series	Voltage (VDC)	Capacitance (µF)	Length (mm)	Width (mm)	Height (mm)
TMCM	2.5 to 35	0.47 to 470	3.2 to 7.3	1.6 to 4.3	1.6 to 2.8
TMCU	2.5 to 35	0.1 to 220	3.2 to 3.5	1.6 to 2.8	1.2 to 1.8

To help you broaden your supply and develop innovative, next-generation products, our TMCM series is available through a global network of distributors in a variety of case sizes, voltages, and capacitance ranges.

Useful Links

- TMCM product page www.vishay.com/ppg?40178
- TMCU product page www.vishay.com/ppg?40180

Contact Information

The Americas

David Bellomy
david.bellomy@vishay.com

Europe

Thomas Poessnecker
thomas.poessnecker@vishay.com

Asia / Pacific

BH Tan
boonhooi.tan@vishay.com