TMCM J-Case Series Tantalum Molded Capacitors Offer a Small Package Size for Applications Requiring Stable Performance

With the advancements in the performance of electronics and the ever-increasing demand for smaller, more reliable devices, engineers have to select the right components to meet their design requirements. When it comes to capacitor selection, the choice for a variety of consumer and standard industrial applications is often the multi-layer ceramic capacitor (MLCC). However, if the application requires stable capacitance over the full operating voltage and temperature ranges — with no piezo electric noise — Vishay's TMCM J-Case offers an alternative to an MLCC in the 0603 package.

The TMCM J-Case 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 J-Case series is designed for space-constrained PCB designs.

The reference table below highlights some key design parameters:

Series	Voltage (VDC)	Capacitance (µF)	Length (mm)	Width (mm)	Height (mm)
TMCM J-Case	2.5 to 20	0.68 to 22	1.6 (± 0.1)	0.8 (± 0.1)	0.8 (± 0.1)

To help broaden your supply and develop innovative, next-generation products, Vishay's TMCM J-Case series is available through a global network of distributors in several voltage and capacitance ranges.

Useful Links

- TMCJ product page

Contact Information

The Americas	Europe	Asia / Pacific
David Bellomy david.bellomy@vishay.com	**Thomas Poessnecker** thomas.poessnecker@vishay.com	**BH Tan** boonhooi.tan@vishay.com