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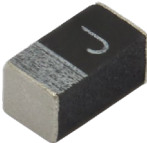
Fast Facts



Product Group: Vishay Sprague, Tantalum Capacitors/ February 2025

# Industry's Broadest Range of Tantalum Capacitors for Medical Applications

Vishay offers the broadest range of tantalum capacitor technologies manufactured in locations certified to the ISO 13485 medical standard. Our devices are designed into non-life support and life support applications for Class I, II, and III medical devices and equipment, and are suitable for medical implantable and non-implantable applications with additional screening.

		
	TM3	TM8
Style	Molded	Microtan™
DCL	0.005 CV	0.005 CV
Case sizes	EIA standard case sizing	0402, 0603, 0805, ...
Voltage range	4 V to 20 V	2 V to 40 V
Capacitance range	1 $\mu$ F to 220 $\mu$ F	0.68 $\mu$ F to 47 $\mu$ F

## Key Design Factors

- High reliability options
- Surge current test options
- Radiographic inspection
- Statistical parametric screening
- Low ESR, low DC leakage
- MnO<sub>2</sub> and polymer
- Multiple production sites

## Applications

- Ventilator products
- Hospital equipment
- Glucose monitors
- Diagnostic equipment
- Implantable devices
- Handheld medical devices
- Smart applications
- Implantable medical devices
  - Hearing aids
  - Neurostimulators



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## Useful Links

- [Capacitors for Implantable Medical Applications](#)
- [Tantalum Capacitor Solutions for Medical Applications](#)
- [TM3 product page](#)
- [TM8 product page](#)
- [MLCC Solutions for Medical Applications](#)
- [VJ HIFREQ product page](#)

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