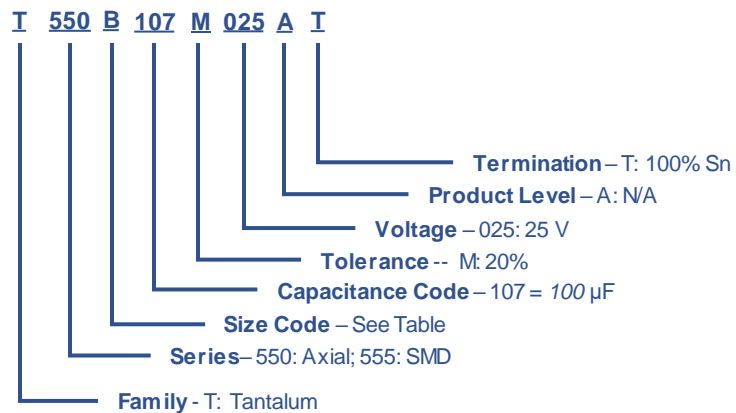




Overview

The T550 axial and T555 surface mount polymer hermetic seal (PHS) tantalum capacitor series are devices designed for extreme conditions that must also retain optimal electrical performance such as low ESR, frequency performance, and capacitance retention. PHS capacitors are also manufactured using KEMET's **F-Tech** process which eliminates defects in the dielectric that would otherwise be undetected and cause potential failure during the operational life.

Part Number System



Tantalum Polymer Electrolytic Capacitors

Polymer Hermetic Seal (PHS)

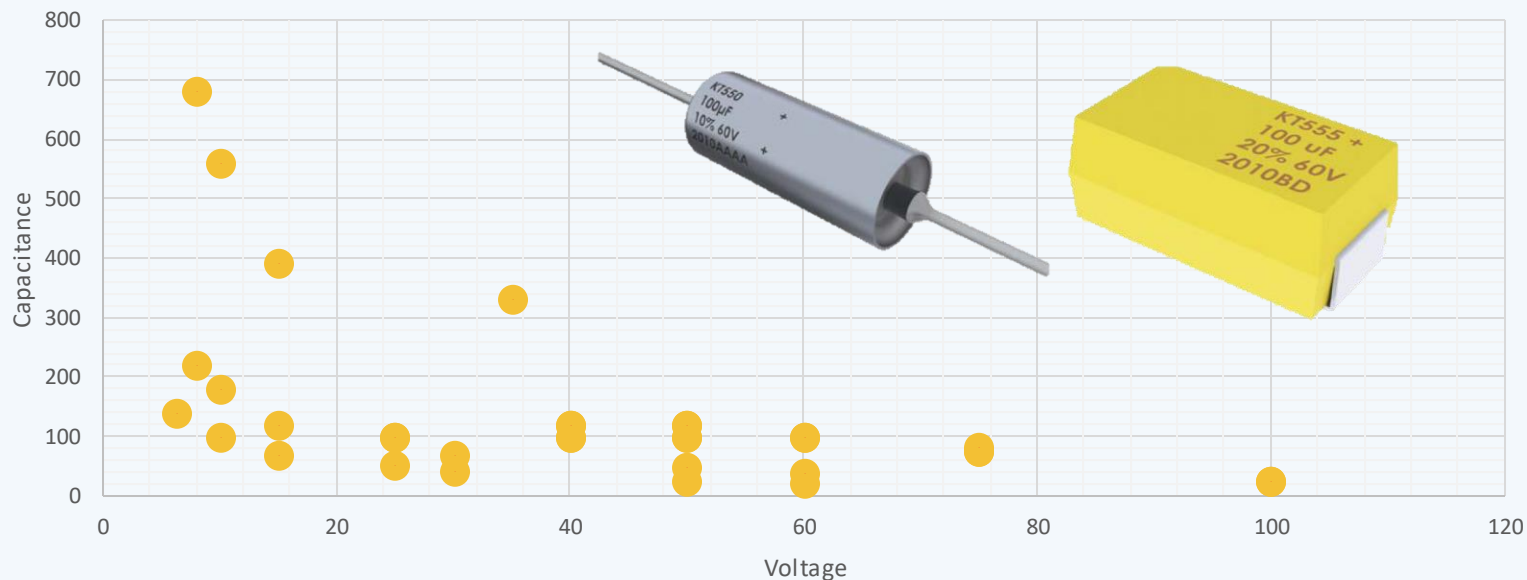
Electrical Characteristics

Capacitance	20 μ F to 680 μ F
Operating Temperature	-55°C to 105°C
Voltage Rating	6.3 VDC and 100 VDC
Operating Lifetime	Up to 9,200 hours at 125°C

Features

100% surge voltage tested
100% voltage conditioned (up to 240 hours)
100% breakdown testing screened
MIL-PRF-39006/22/25/30/31 equivalent size

Voltage and Capacitance Offerings



Applications

Suitable for automotive, industrial, and aircraft applications, including:

- Filtering
- Switching regulators
- Hold-up capacitance
- High-current power supplies
- High-reliability electronics
- Radar systems