



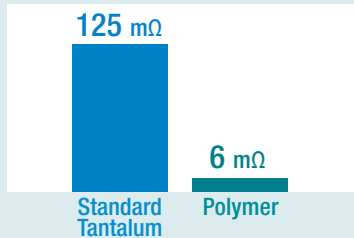
POLYMER CAPACITORS

HIGH CAPACITANCE, LOW ESR CAPACITORS

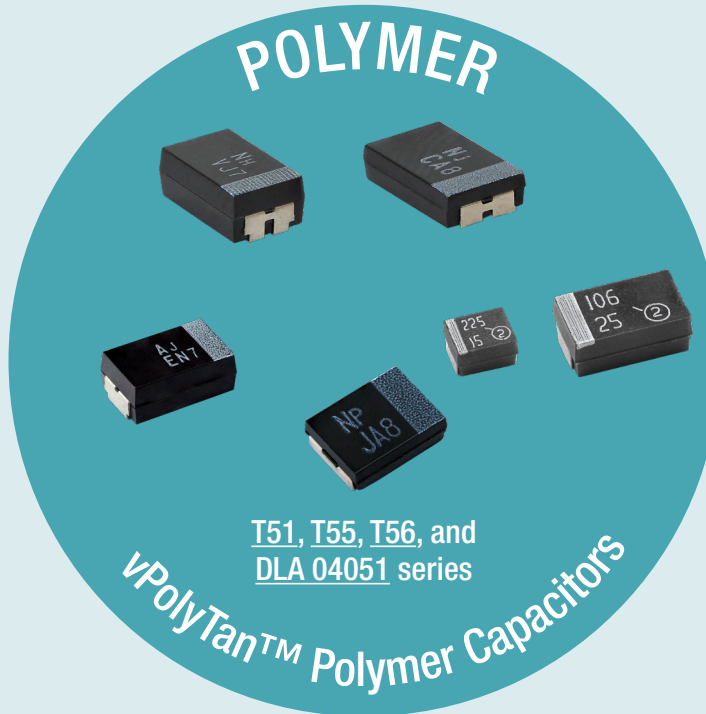
DERATING

		Example	
	Specified Derating	Rated Voltage	Design Voltage
Standard Tantalum	50 %	24 V	12 V
Polymer	20 %	16 V	12 V

Ultra Low ESR (20x improvement)

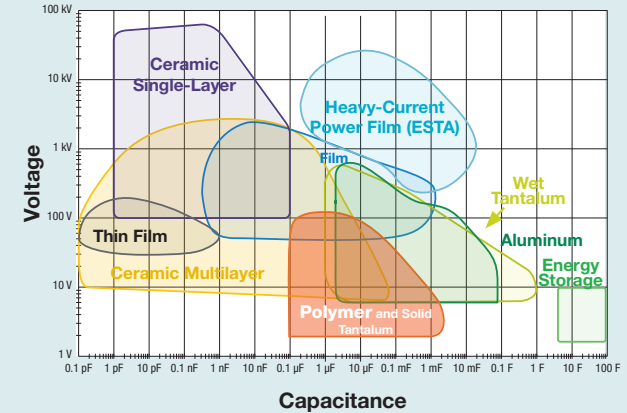


680 μF, 4 V, D CASE SIZE



T51, T55, T56, and DLA 04051 series

VISHAY CAP MAP



APPLICATIONS

- Automotive
 - ADAS
 - Infotainment
 - In-car communication
- AI servers
- PC / laptops / tablets
- PD 3.1 chargers
- Data storage
- Test equipment
- Radar
- Satellites



AUTOMOTIVE



COMPUTER



AI



MEDICAL

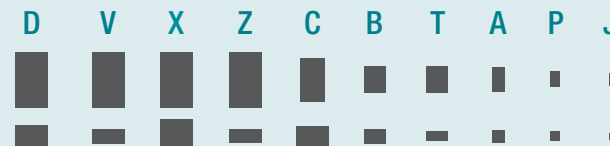


CONSUMER



AMS

VISHAY CAPABILITY



Shown at actual size

Polymer Capacitors Advantages Over Standard Tantalum	Polymer Capacitors Advantages Over MLCCs	Polymer Capacitors Advantages Over Aluminum
<ul style="list-style-type: none"> • Lower ESR • Non-burn feature • Better derating 	<ul style="list-style-type: none"> • No piezo noise effect • No capacitance loss with DC bias • More robust design (no cracking) • Superior temperature stability 	<ul style="list-style-type: none"> • Superior stability • Longer life • Higher operating temperature range • Better volumetric efficiency

For technical questions: polytech@vishay.com

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