



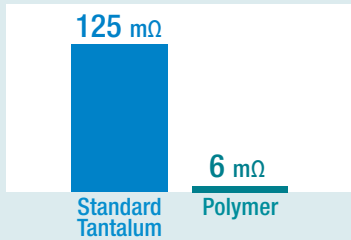
# POLYMER CAPACITORS

## HIGH CAPACITANCE, LOW ESR CAPACITORS

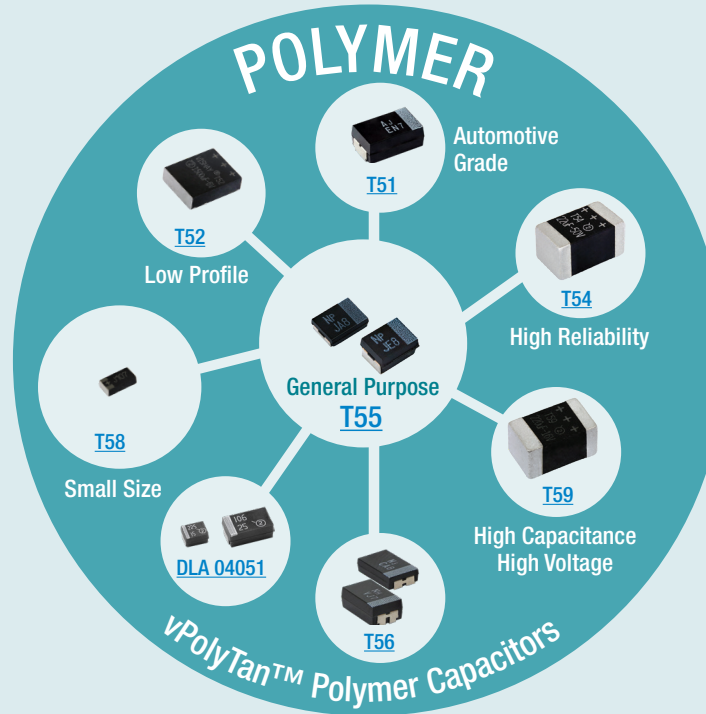
### DERATING

	Specified Derating	Rated Voltage	Design Voltage
<b>Standard Tantalum</b>	50 %	10 V	5 V
<b>Polymer</b>	20 %	6.3 V	5 V

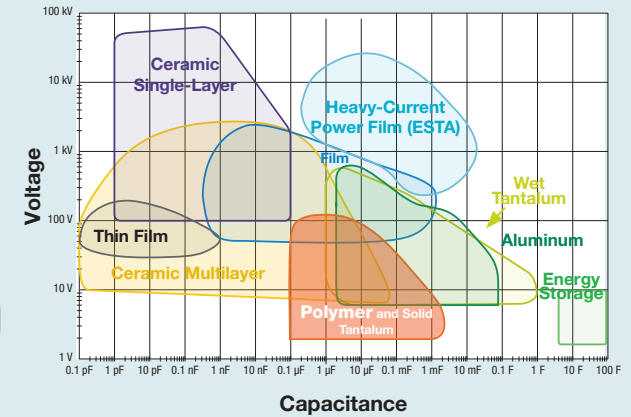
### Ultra Low ESR (20x improvement)



470 μF, 2.5 V, D CASE SIZE



### 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



HEALTHCARE



CONSUMER



AMS

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

### VISHAY CAPABILITY



Shown at actual size

### FOOTPRINT + PROFILE

For technical questions: [polytech@vishay.com](mailto:polytech@vishay.com)

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