



POLYMER CAPACITORS

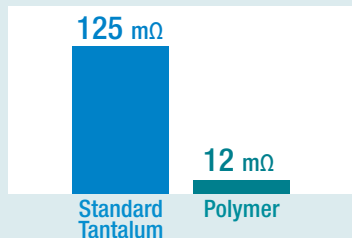
HIGH-CAPACITANCE, LOW-ESR CAPACITORS

IN A NUTSHELL

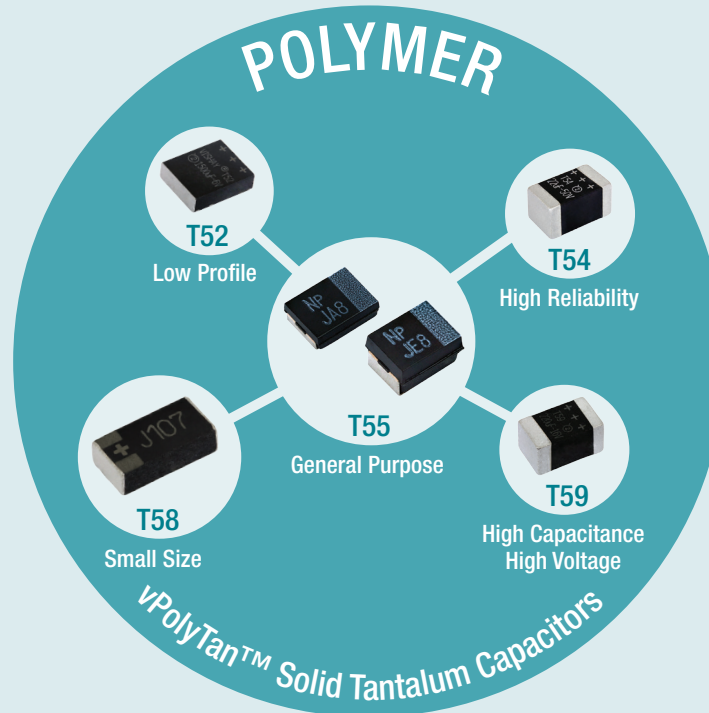
DERATING

	Specified Derating	Example	
		Rated Voltage	Design Voltage
Standard Tantalum	50 %	10 V	5 V
Polymer	20 %	6.3 V	5 V

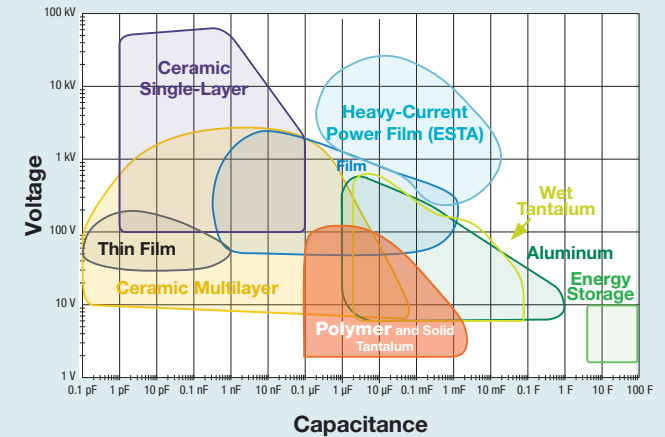
Ultra-Low ESR (10x improvement)



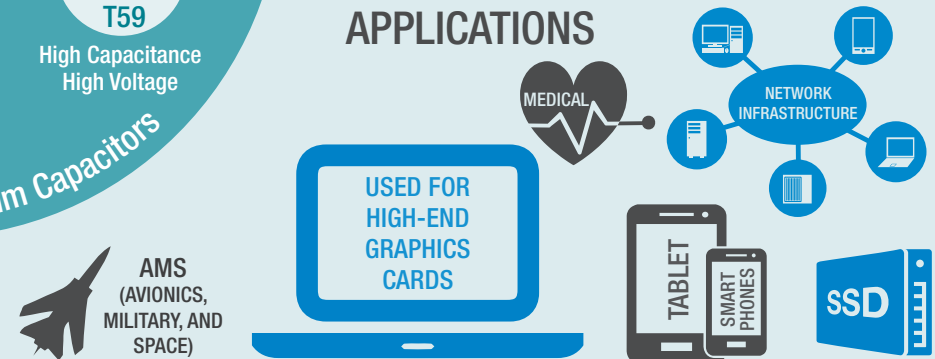
330 μF, 6.3 V, D CASE SIZE



VISHAY CAP MAP



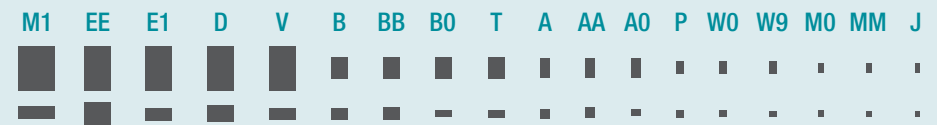
APPLICATIONS



Polymer Capacitors Advantages Over MLCC	Polymer Capacitors Advantages Over Standard Tantalum	Polymer Capacitors Advantages Over Aluminum
<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"> Lower ESR Non-burn feature Better derating 	<ul style="list-style-type: none"> Superior stability Longer life Higher operating temperature range Better volumetric efficiency



VISHAY CAPABILITY



FOOTPRINT + PROFILE

Shown at actual size

polytech@vishay.com