



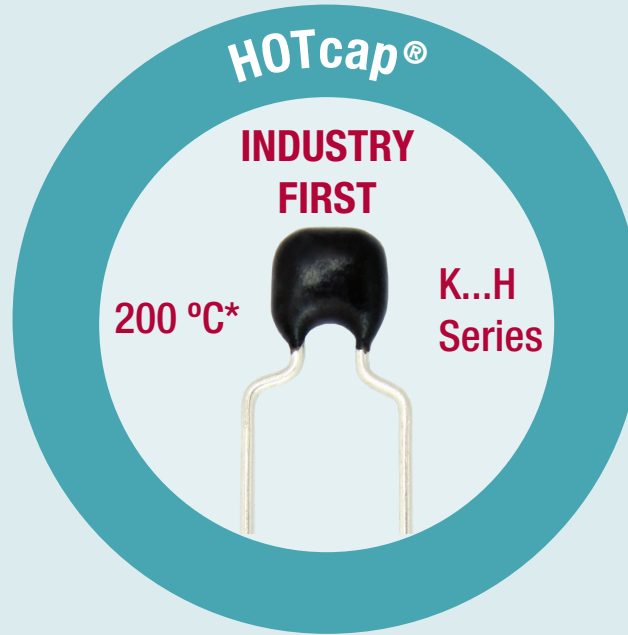
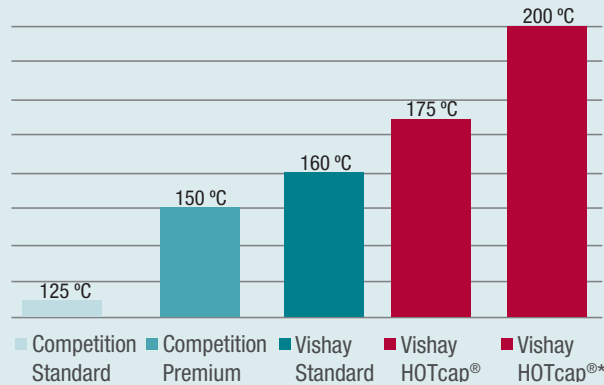
HIGH OPERATING TEMPERATURE RADIAL-LEADED AUTOMOTIVE MLCCs

IN A NUTSHELL

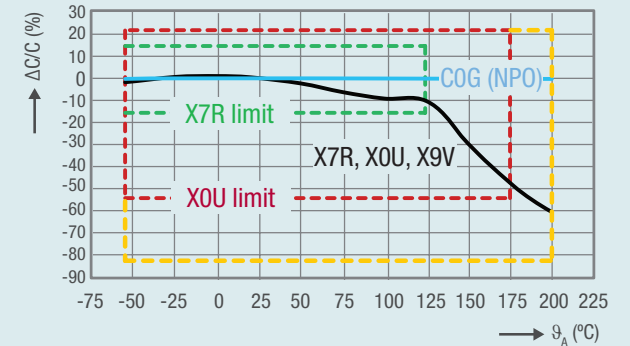


AEC-Q200 Qualified
with PPAP Available

OPERATING TEMPERATURE IN AUTOMOTIVE



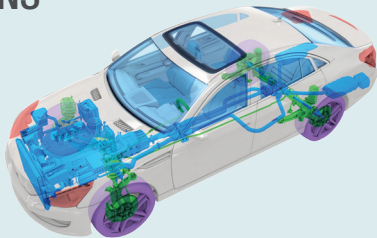
CAPACITANCE CHANGE VS. TEMPERATURE



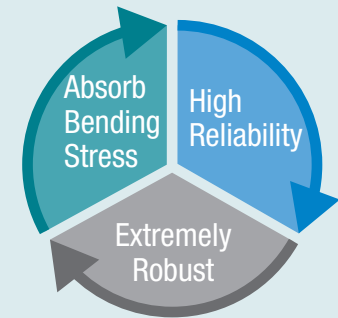
Not an ordinary **CAPACITOR**,
it's built for the **MOST EXTREME**
automotive operating conditions

KEY APPLICATIONS

- ✓ Engine control
- ✓ Engine sensor protection
- ✓ Exhaust system



Dielectric	COG			X0U		
	50	100	200	50	100	200
Voltage V _{DC}	50	100	200	50	100	200
Min. Cap.	100 pF	100 pF	100 pF	47 nF	47 nF	82 nF
Max. Cap.	12 nF	12 nF	8.2 nF	1 μF	470 nF	470 nF



SMD	Leaded MLCC
<ul style="list-style-type: none"> PCB bending and vibration may cause mechanical stress and capacitor cracks 	<ul style="list-style-type: none"> More robust to thermo-mechanical stress and vibration Impact on the MLCC is reduced as the lead wires absorb the bending stress The capacitor can be welded or soldered directly to a lead frame and overmolded with plastic
<p>BOARD DEFLECTION CRACKS</p> <p>Leaded Product</p> <p>Chip Component</p>	

* 200 °C for max. 500 hours and 175 °C unlimited time
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