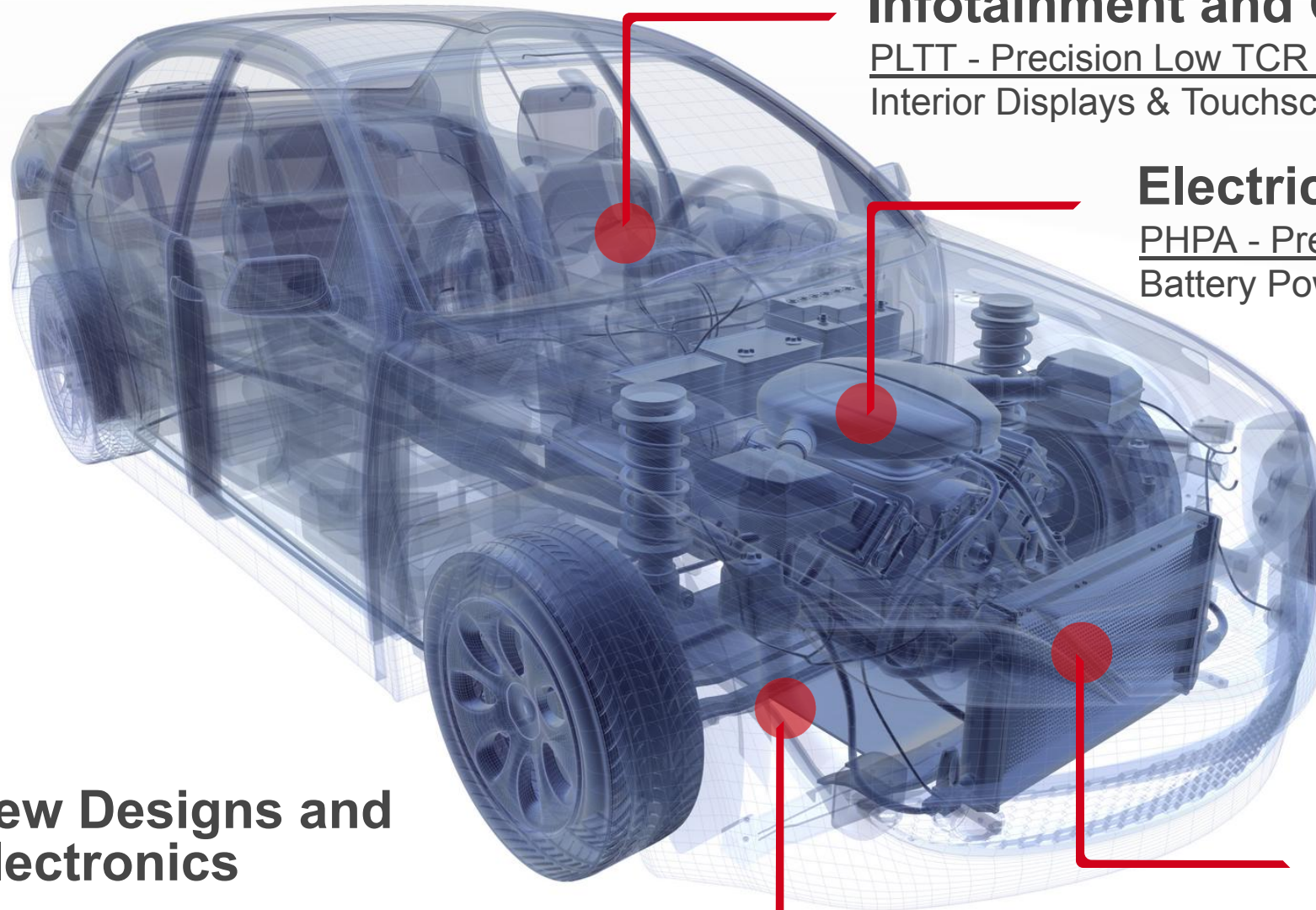




THIN FILM SURFACE-MOUNT CHIP RESISTORS

AEC-Q200 APPROVED

AUTOMOTIVE APPLICATIONS



Infotainment and Connectivity

PLTT - Precision Low TCR High Temp
Interior Displays & Touchscreens

Electrical System

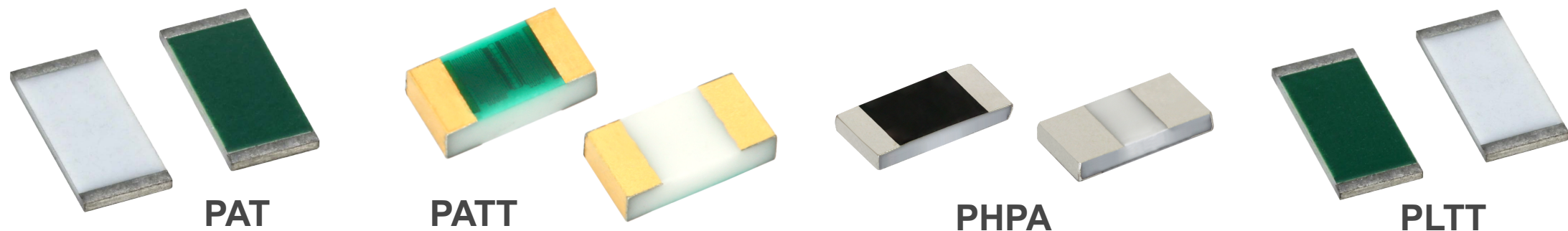
PHPA - Precision High Power
Battery Power System

New Designs and Electronics

PATT - Precision High Temperature
Chassis With Integrated E-motors, Electronic Brakes & Steering

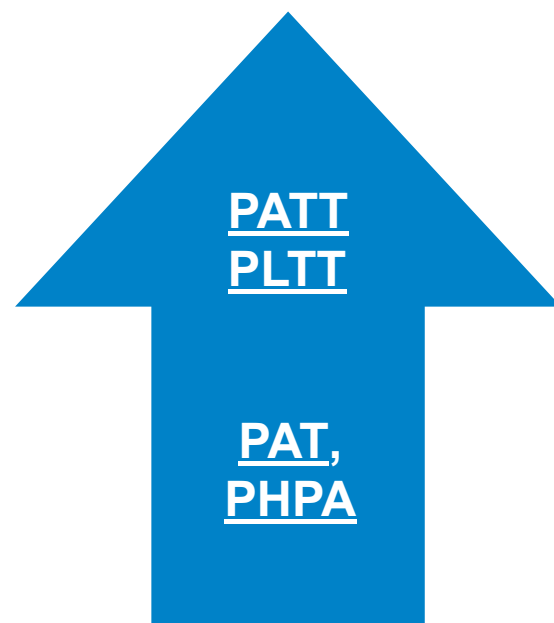
Autonomous Driving and Connectivity

PAT - Precision Automotive
Sensors, Cameras, & Radar Systems

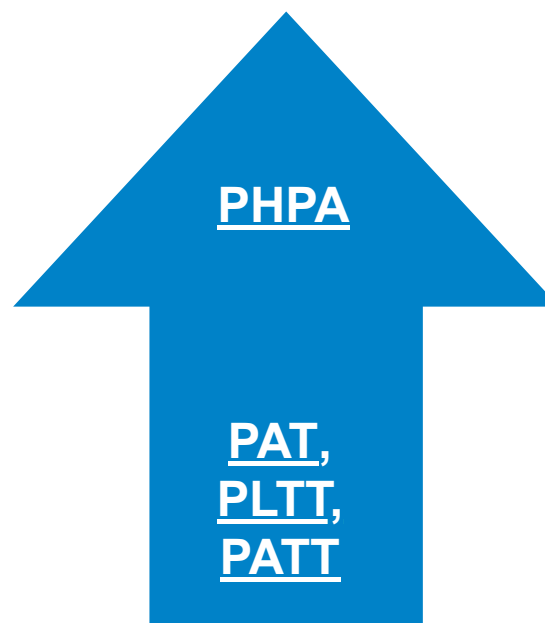


CAPABILITIES

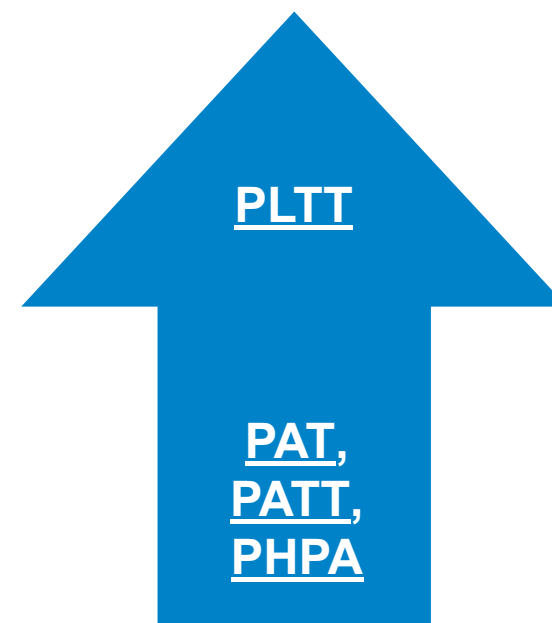
**HIGH
TEMP**



**HIGH
POWER**



**HIGH
PRECISION**



	Case Sizes	Resistance Range (Ω)	TCR (PPM/ $^{\circ}\text{C}$)	Tolerance (%)	Power Rating (W)	Operating Temp. ($^{\circ}\text{C}$)	Advantage
<u>PAT</u>	0402 to 2512	10 to 3 M	25	0.1 to 1.0	0.15 to 1	-55 to +155	- Moisture-Resistant Ta2N - Wide Resistance Range - Multiple Case Size Options
<u>PATT</u>	0603 to 1206	1.0 to 1 M	25	0.1 to 1.0	0.05 to 0.4	-55 to +250	- Moisture-Resistant Ta2N - High Temperature Capability - Long Term Stability
<u>PHPA</u>	1206, 2512	10 to 30.1 K	25	0.1 to 1.0	1 to 2.5	-55 to +155	- Moisture-Resistant Ta2N - High Power Capability, 2X Standard - ESD Rated 5A (HBM)
<u>PLTT</u>	0603	75 to 130 K	5	0.02 to 0.1	0.15	-55 to +215	- High Precision - High Temperature Capability

For technical questions: thinfilm@vishay.com