

AUTOMOTIVE SOLUTIONS

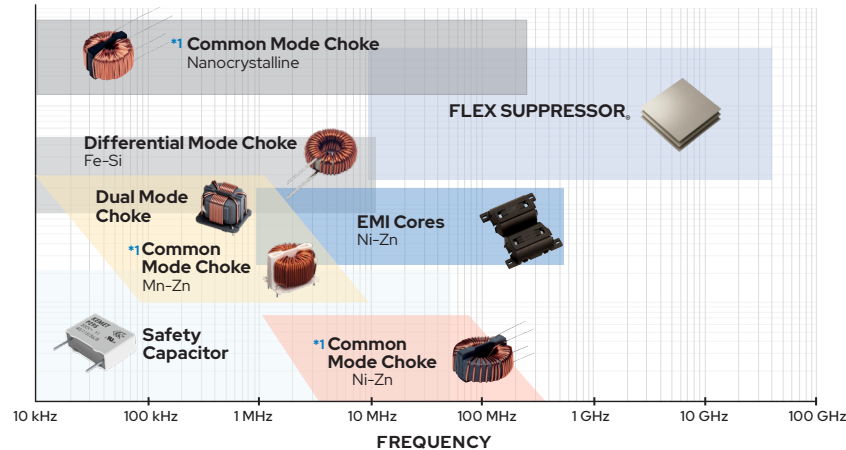


PPAP SUPPORT | ISO 9001 | IATF 16949

For decades, KEMET has enabled safer, more efficient, and smarter vehicles. We offer a wide range of products for the automotive industry.

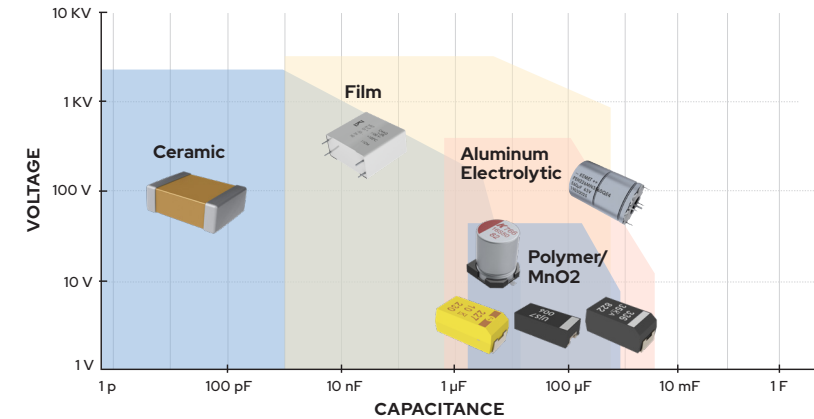
KEMET provides automotive grade components that are designed with safer failure mechanisms and qualified to industry standards, such as AEC-Q200 and VW AUDI 80808. Our parts have been proven on the road and in the lab. We have an extensive track record of reliability. Our automotive grade products are verified to work under harsh temperatures ranging from -50° C to 175° C.

EMC SOLUTIONS

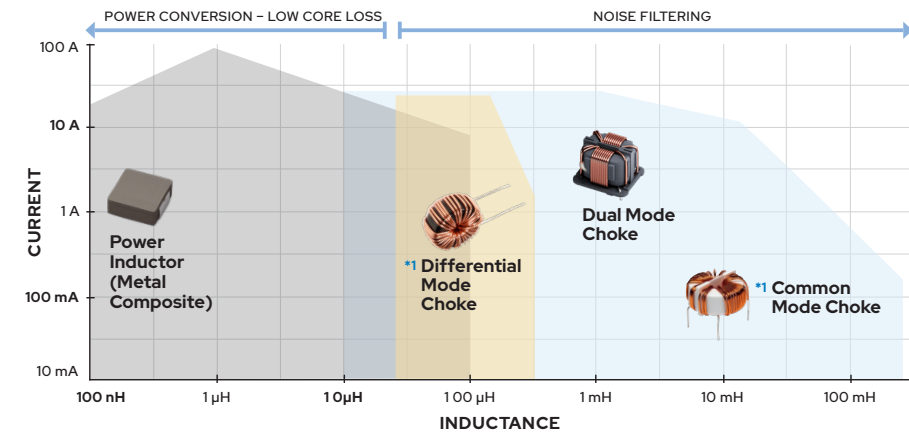


*1 Designed to support AEC-Q200 in system qualification

CAPACITOR SELECTION



MAGNETICS SELECTION



ADDITIONAL RESOURCES



Research Parts

Search for parts, view availability, RoHS documentation, or order a sample with [ComponentEdge](#).



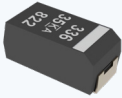
Design It

Test and analyze the performance of passive electronic components with KEMET's simulation tool, [K-SIM](#).



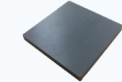




Learn More


Learn how to use and design with our products on our [Engineering Center](#).

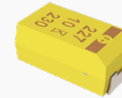
PRODUCT	SERIES	HIGHLIGHTS
KO-CAP Polymer 	T598	125°C
	T597	Small Case 125°C
	T599	150°C

High volumetric efficiency, stable capacitance with temperature, voltage and frequency, extended lifetime and low ESR

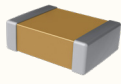
PRODUCT	SERIES	HIGHLIGHTS
Magnetics 	Differential Mode Chokes	High performance Miniaturization Customization available
	HHBC PHBC	
	Common Mode Chokes	
SC SCR SC-D SCF		
EMI Cores	High frequency noise suppression, Easy to attach	
ESD-SR-xxxHL		
	FLEX SUPPRESSOR _®	Noise suppression MHz to GHz band Effective for electromagnetic wave and resonance suppression Thin, flexible countermeasures Easy to use, in even tightest spaces
	FF1 EFF4	
		
FPL		

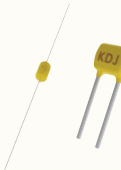
PRODUCT	SERIES	HIGHLIGHTS
Aluminum 	PEG PEH2xx PHA EDT EDH EDK	EEV EXV ALA7D ALA8D ALA7A ALA8A
	Very stable High vibration options Up to 165°C High current Axial, snap-in and SMD	
Hybrid	PHA	125°C, low ESR, higher ripple than axial, lower leakage than Polymer
Aluminum Polymer 	A768	Ultra low impedance, up to 2K hours at 125°C, high ripple capability, anti-vibration for 10mm


PRODUCT	SERIES	HIGHLIGHTS
Film 	R76H F863 C4E F862-V054 LDE P295 JSN C4AF C4AQ F5B R41T R6x R75H R8x SMR F161	Harsh Environment: F862-V054, F863, R41T, R75H, R76H High Temperature: R75H, R76H, JSN, LDE, R8x SMD Available: LDE, JSN, F161, P295 High Ripple Current Self Healing


PRODUCT	SERIES	HIGHLIGHTS
Tantalum MnO₂ 	T489	Low DCL, 125°C
	T491/5	125°C
	T498	150°C
	T499	175°C


High volumetric efficiency, extended lifetime

PRODUCT	SERIES	HIGHLIGHTS
Ceramic 	Type: SMD Auto COG U2J X7R X8R X8L	Standard and High voltage 6.3V to 3kV COG and X7R High temperature up to 150C X8R & X8L ESD Rated X7R and COG (HBM - AEC Q200-002) VW80808 X7R Specification (High current applications) Arc-shield X7R (Patented internal arc protection) KC-LINK™ COG (Fast switching semiconductor applications) KONNEKT High Density Packaging, Flex Mitigation: Flex Termination COG, U2J, X7R, X8R, X8L , Open Mode X7R , Floating Electrode X7R

	Type: Axial & Radial	Conformally coated, no PCB required, flex mitigation, microphonic noise reduction, design versatility (non-polar, lead forms and spacing), highly versatile mounting, high vibration capability
	Aximax 400 and Goldmax 300: COG, X7R, X8R, X8L	

	Type: KPS	Higher capacitance in the same footprint, potential board space savings, advanced protection against thermal and mechanical stress, provides up to 10mm flex capability, reduces audible and microphonic noise, non-polar device
	KPS SMD Auto: X7R X8L	

	Type: ARRAY	Flex mitigation, saves both circuit board and inventory space, reduces placement costs and increases throughput
	Array Auto: COG X7R	

PRODUCT	SERIES	HIGHLIGHTS
Power Inductor 	MPLCV MPCV MPXV	Metal composite powder, High current, Low DCR, +155°C operating temperature

