



Transportation Automotive



Why Choose KEMET

KEMET Electronics Corporation is a leading global supplier of electronic components. We offer our customers the broadest selection of capacitor technologies in the industry, along with an expanding range of electromechanical devices, electromagnetic compatibility solutions and supercapacitors. Our vision is to be the preferred supplier of electronic component solutions for customers demanding the highest standards of quality, delivery and service.

Features & Benefits

- ISO/TS 16949:2002 plant-level certification
- AEC-Q200 part level qualifications
- PPAP availability
- Electric and hybrid vehicle solutions
- High temperature ranges
- More than 50 years experience in the automotive industry
- Custom and optimized designs

Product Checklist

- Who are your end customers?
- Can you use "commercial grade" for any applications?
- Is this a safety application?
- Do you have any customer-specific requirements (CSRs)?
- Is AEC Q200 testing required?
- Do you need a PPAP?
- Are you familiar with KEMET's "AUTO" specification?

For more information, samples and engineering kits, please visit us at www.kemet.com or call 1.877.myKEMET.

Applications

- Electronic engine control
- Drive train and transmission control
- Multimedia (radio, DVD, GPS)
- Safety (air bag, antilock braking systems, tire pressure monitoring)
- Driver convenience (remote keyless entry, climate control, lighting)
- Electric drive system

KEMET Products

KEMET Series	Form Factor	Max. Voltage (VDC)	Max. Capacitance	Max. Temperature (°C)	
Tantalum					
T491	Surface mount	50	1000 μ F	125	
T494				125	
T495				125	
T498			150		
T499		175			
T520		25	1000 μ F	105	
T525		16	680 μ F	125	
T356	Radial through-hole	50		125	
Multilayer Ceramic					
Goldmax	Radial through-hole	200	4.7 μ F	125	
Aximax	Axial through-hole	200	0.68 μ F	125	
0402 – 2225 C0G	Surface mount	200	470 nF	125	
0805 – 2225 HV-C0G		3,000	39 nF	125	
0402 – 1812 Ultra-Stable X8R		100	220 nF	150	
0402 – 1210 X8L		50	10 μ F	150	
0402 – 2225 X7R		200	22 μ F	125	
0603 – 2225 HV-X7R		3,000	560 nF	125	
1210 – 2220 KPS-X7R		250	47 μ F	125	
2220 HV-KPS-X7R		630	470 nF	125	
1210 – 2220 KPS-X8L		50	47 μ F	150	
0603 – 2225 ArcShield		1,000	560 nF	125	
Film					
Surface Mount		Surface mount	1,000	15 μ F	125
Through-Hole		Radial through-hole	3,000	220 μ F	150
DC Link & Power Capacitors	AUTO solutions are customized. Please contact your local representative.				
Aluminum					
Polymer	Surface mount	16	470 μ F	125	
Axial	Axial through-hole	63	6,300 μ F	150	
DC Link	AUTO solutions are customized. Please contact your local representative.				
Screw Terminal & Snap-in	AUTO solutions are customized. Please contact your local representative.				
Specialty & Custom Solutions					
Available upon request. Please contact your local representative.					