



KEMET Electronics Corporation offers 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 world's most trusted partner for innovative component solutions, and make the impossible; possible. KEMET can provide solutions for many vertical markets such as Automotive, Lighting, Medical, Industrial and Power Conversion. We are ever expanding and innovating. Through the acquisition of TOKIN, KEMET now offers several magnetics, sensors and actuator products. Yet much of our 100-year history has been focused on capacitors – pushing the limits of what they can do and how they can be applied.

Because of this focus, we have a great lineup of capacitors to meet demanding requirements. The ceramic capacitor is by far the most popular type of capacitor. To make things more interesting, our Ceramic Business Group has developed a technology for bonding together surface mount components to produce a stack of ceramic capacitors. KEMET also offers an impressive lineup of tantalum, polymer, film, aluminum electrolytic and supercapacitors.

With the improvements in technology and consumer devices, there is an increase of electromagnetic noise. In order to attenuate these noises, we offer a portfolio for Electromagnetic Compatibility components. There are two types of noise: conductive and radiated. Conductive noise is found in the power line and radiated noise is found in the air. AC line filters are effective against conductive emissions, EMI cores, flex suppressors are used against radiated emissions.

KEMET is the pioneer in noise suppression based on a unique flexible concept. It is a new material outstripping the limitations of ferrite; it suppresses noise by applying magnetic loss. A flex suppressor is a polymer based flexible sheet, blended with micron-sized magnetic powders dispersed throughout the material. Flex suppressors are used for noise suppression (resonance & wave suppression), and for RFID which improves the magnetic flux convergence.



Our sensors product portfolio includes pyro sensors, current sensors and thermal reed switches. A pyro sensor is a short distance, human detection sensor. Our pyro sensors are compact and low profile. Energy saving is also an important feature of this component. Normal proximity sensors continuously send out beams to detect an object, but our pyro sensor only turns on when a human enters its perimeter. Typical applications include home appliances, automation equipment, lighting, rice cookers and smart toilets.

KEMET also offers piezoelectric devices such as piezo actuators, transducers, and acoustic modules. Piezo actuators convert electrical energy into mechanical energy like, displacement or force, by utilizing the piezoelectric longitudinal effect. Our piezo actuators can be found in several industrial applications. We are the industry leader with more that 30 years of experience.

KEMET has developed several digital tools to better assist our customers. We have K-SIM which is our capacitor simulation tool, you are able to plot important design considerations such as impedance & ESR, current & voltage etc. The component search tool ComponentEdge is one of the best in the industry, you can find all the technical documentation about our parts on search.kemet.com. Our Engineering Center is a platform that houses technical blogs, webinars, white papers and other useful resources about KEMET products.