

# MAGNETICS SOLUTIONS FOR INDUSTRIAL APPLICATIONS

**KEMET**  
a YAGEO company

KEMET builds capacitors, inductors, EMI filters, chokes, cores & absorbers, sensors, and piezoelectric devices for industrial applications in companies ranging from power generation to factory automation. These products enable the next generation of alternative energy, harvesting wind and solar. Below you will find KEMET's top rated magnetic products for industrial applications:

## PRODUCTS AND BENEFITS

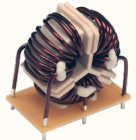


### COMMON MODE CHOKES - SSRH SERIES

High Density Type / Mn-Zn / for ranges above 10 kHz / Thermal Class E (120°C).

- Power Supplies 250 V
- Smart Meter
- Control Units

- High  $\mu$  material up to 16,200  $\mu$
- 1.3 - 115.7 mH
- 0.3 - 5.0 A
- Low profile, small size
- 2,400 V testing
- UL94 V-0 materials



### COMMON MODE CHOKES - SCR / SCF SERIES

Toroidal type / SCR with Mn-Zn / SCF with Nanocrystal / suitable for ranges above 10 kHz / Thermal Class E (120°C).

- Single & Multiple Phase
- Power Supplies 250 V & 500 V
- Power Conversion (AC/DC)
- Frequency Converter
- Machine Tools
- Welder
- Inverter

- High & ultra-high  $\mu$  material
- 0.05 - 50.00 mH
- 2 - 60 A
- All core orientations, low profile, small size
- 2,400 V testing
- UL94 V-0 materials

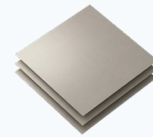


### DUAL MODE CHOKES - SSHB SERIES

1 component for common & differential EMC / low leakage magnetic flux / reducing number of products for cost & space saving / Thermal Class E (120°C) & B (130°C).

- Motion Controls
- Programmable Logic Controller
- Standard Power Supply

- High  $\mu$  & high temperature material
- 0.6 - 158.0 mH
- 0.3 - 3.0 A
- Compact size, low height
- 2,400 V testing
- UL94 V-0 materials

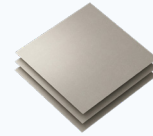


### NOISE SUPPRESSION SHEETS FLEX SUPPRESSOR®

Very high frequency EMI countermeasure up to 40 GHz / quick solution.

- Display & Audio Applications
- 5G Applications
- Test & Measurement Equipment

- Material science and technology inventor
- Flexible sheets
- 105°C & 125°C
- Halogen free
- UL approved
- Adhesive back



### FLEX SUPPRESSOR® FOR RFID | M4 & RM4A SERIES

NFC inductive enhancement for RFID / improves magnetic flux convergence.

- RFID (NFC) Reader/Writer, Tag



### EMI CORES - ESD SERIES

Common or differential mode / all designs (toroidal, snap-on, snail, flat; bare, coated or encapsulated).

- Test & Measurement Equipment
- Professional HF Amplifiers
- Motor Control Equipment
- Inverter



### SMD POWER INDUCTORS - MPX SERIES

Own development of materials / wide range of 200+ parts / 5x5 to 22x22 mm size / 0.1 - 100.0  $\mu$ H / robust design with low DCR & high saturation.

- Displays
- GaN & SiC Applications
- Switch Mode Power Supplies

**ADDITIONAL  
RESOURCES**



#### Research Parts

Search for parts, view availability, RoHS documentation, and 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](#).