Why Choose KEMET

KEMET Corporation is a leading global supplier of electronic components. We offer our customers the broadest selection of capacitor technologies in the industry across all dielectrics, 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

- Compact, lightweight, ultra-low profile with high density
- Low power consumption
- Extremely durable plastic sealing
- High withstanding voltage
- Complete line of surface mount devices available

Product Checklist

- What is the load condition? (resistance, motor, lamp, etc.)
- What are the expected operation times for relay?
- What is the ambient temperature?
- How many pairs of contacts are required?
- What is the size and dimension?
- Do you need THD or SMD type?
- Do you need non-latch (current holding) or latch (single or double coil) type?
- What is the rated voltage?
- What is the input power consumption?
- What is the withstand and surge withstand contact voltage?
- What is insulation capability?
- Are any certifications required? (UL, CSA)
- Are there any special requests or environmental conditions?

Programs Supported

- Communications and telecom equipment
  – Switching systems
  – xDSL access modules
  – IP/ADSL modems
- Wired and wireless transmission equipment
- Measurement instruments
  – Semiconductor testers
  – Smart meters
- Household appliances and audio visual systems
  – High-end audio equipment
  – HDTV/PCs
  – Blue-Ray recorders
  – Display exchanges
  – PC sound and video boards
- Medical equipment
  – Ultrasound
- Office machines
  – Printers
  – IP telephones
- Security systems
  – Network cameras
  – Home fire detection and alarms
- Automotive
  – Hands-free
  – Car audio and navigation
  – Vehicle drive recorders
- Power saving equipment
  – IP servers
  – Office LED lighting
  – Stand-by power

KEMET Electrical/Physical Characteristics

<table>
<thead>
<tr>
<th>Series</th>
<th>Appearance</th>
<th>Height (mm)</th>
<th>Implementation (mm)</th>
<th>Features</th>
<th>Contact Form</th>
<th>Contact</th>
<th>Capacity (W)</th>
<th>Voltage (VDC)</th>
<th>Current (A)</th>
<th>Coil</th>
<th>Power (MW) Consumption</th>
<th>Rated Voltage (VDC)</th>
<th>Options (Default is non-latch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UA2</td>
<td></td>
<td>8.3</td>
<td>10.6 x 5.7</td>
<td>Ultra-compact, slim, high withstand voltage</td>
<td>2C</td>
<td>30 W / 37.5 VA</td>
<td>220 VDC / 250 VAC</td>
<td>1</td>
<td>100–230</td>
<td>3, 4.5, 5, 12, 24</td>
<td>3, 4, 5, 5, 12</td>
<td>1 coil; latch type, low power consumption</td>
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<tr>
<td>UB2</td>
<td></td>
<td>8.8</td>
<td>10.6 x 7.4</td>
<td>Ultra-small, low-profile, high withstand voltage</td>
<td></td>
<td>30 W / 62.5 VA</td>
<td></td>
<td>2</td>
<td>100–140</td>
<td>3, 4.5, 5, 12</td>
<td>3, 4, 5, 5, 12</td>
<td>1 coil; latch type, low power consumption</td>
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<tr>
<td>UC2</td>
<td></td>
<td>5.6</td>
<td>10.9 x 6.5</td>
<td>Small, low-profile</td>
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<td></td>
<td></td>
<td>2</td>
<td>100–200</td>
<td>3, 4.5, 5, 12</td>
<td>3, 4, 5, 5, 12</td>
<td>1 coil &amp; 2 coil; latch type, low power consumption</td>
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<tr>
<td>UD2</td>
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<td>5.45</td>
<td>10.9 x 8.4</td>
<td>Small, slim, high withstand voltage</td>
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<td></td>
<td></td>
<td>2</td>
<td>15 x 7.5</td>
<td>3, 4.5, 5, 12, 24</td>
<td>3, 4, 5, 5, 12</td>
<td>1 coil &amp; 2 coil; latch type, high isolation type</td>
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<td>EA2</td>
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<td>7.5</td>
<td>14.2 x 9.2</td>
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<td></td>
<td></td>
<td>2</td>
<td>15 x 9.5</td>
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<tr>
<td>EB2</td>
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<td>9.4</td>
<td>14.3 x 11.5</td>
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<tr>
<td>EC2</td>
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<td>10.0</td>
<td>15 x 7.5</td>
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For more information, samples and engineering kits, please visit us at www.kemet.com or call 1.877.myKEMET.
### Ordering Information

<table>
<thead>
<tr>
<th>Series</th>
<th>Nominal Coil Voltage</th>
<th>Latch Type</th>
<th>Option</th>
<th>Packaging Code</th>
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<tr>
<td>EB2</td>
<td>− 3</td>
<td>S</td>
<td>NU</td>
<td>−L</td>
</tr>
<tr>
<td>Type</td>
<td>THD</td>
<td>SMD</td>
<td>NU</td>
<td>SMD</td>
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<tr>
<td>Flat</td>
<td>EA2</td>
<td>EB2</td>
<td>Blank</td>
<td>THD</td>
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<tr>
<td>Ultra-Mini Flat</td>
<td>UC2</td>
<td>UD2</td>
<td>Blank</td>
<td>SMD</td>
</tr>
<tr>
<td>Ultra-Mini Slim</td>
<td>UA2</td>
<td>UB2</td>
<td>Blank</td>
<td>Blank</td>
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</tbody>
</table>

- **Flat**
  - EA2: Nominal Coil Voltage: 1.5, 2.5, 4.5, 5, 12, 24 V
  - EB2: Blank = Non-latch, S = Single coil latch, T = Double coil latch

- **Ultra-Mini Flat**
  - UC2: Nominal Coil Voltage: 1.5, 2.5, 4.5, 5, 12, 24 V

- **Ultra-Mini Slim**
  - UA2: Nominal Coil Voltage: 1.5, 2.5, 4.5, 5, 12, 24 V

**THD**
- NU = Standard
- NE = Low power consumption
- NUN/NUH = Minimum footprint
- NEN = Low power consumption with minimum footprint
- NUX = High solder joint reliability

**SMD**
- NU = Standard
- NE = Low power consumption
- NUN/NUH = Minimum footprint
- NEN = Low power consumption with minimum footprint
- NUX = High solder joint reliability

**Option**
- Blank = Tube (default packaging for THDs)
- L = Embossed carrying tape (L type)

**Note:** Some options may not be available. Please refer to detailed product information.

#### Through-Hole Type

![Through-Hole Type Image]

#### Surface Mount Type

![Surface Mount Type Image]

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