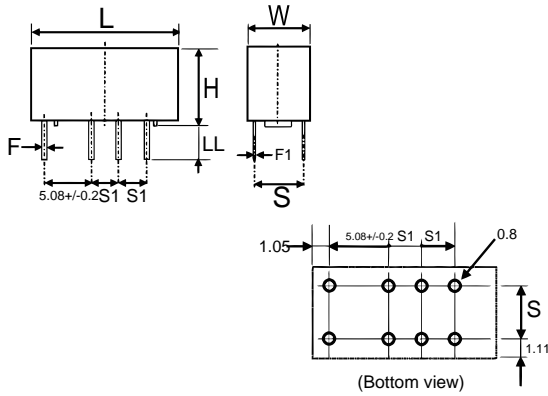


**KEMET Part Number: EC2-12ND**  
(EC212ND)

Relays, Signal, KEMET, EC2



**Dimensions**

| Dimension | Value           |
|-----------|-----------------|
| L         | 15mm MAX        |
| W         | 7.5mm MAX       |
| H         | 9.4mm MAX       |
| LL        | 3.2mm +/-0.1mm  |
| S         | 5.08mm +/-0.2mm |
| S1        | 2.54mm +/-0.2mm |
| F         | 0.5mm +/-0.1mm  |
| F1        | 0.25mm +/-0.1mm |

**Packaging Specifications**

|                   |      |
|-------------------|------|
| <b>Packaging:</b> | Bulk |
|-------------------|------|

**General Information**

|                     |   |
|---------------------|---|
| <b>Style:</b>       | Through-Hole  |
| <b>Series:</b>      | EC2   |
| <b>Description:</b> | Miniature Signal Relay, Non-latch   |
| <b>Features:</b>    | Compact and light weight. FCC (1500 V) and Telcordia (2500 V) surge capacity. UL recognized and CSA certified. Low power consumption (100-200 mW). ND type (High insulation). NKX type (High breakdown voltage) can withstand 1.5KVAC at open contacts. |
| <b>RoHS:</b>        | Yes   |
| <b>Coil Type:</b>   | Single Coil (Non-Latching)  |

**Specifications**

|                                 |   |
|---------------------------------|---|
| <b>Temperature Range:</b>       | -40/+85C  |
| <b>Coil Voltage:</b>            | 12 V  |
| <b>Coil Resistance:</b>         | 720 Ohms +/-10%                                     |
| <b>Contact Form:</b>            | 2 Form C (DPDT)                                     |
| <b>Contact Material:</b>        | Silver Alloy With Gold Alloy Overlay                |
| <b>Voltage Characteristics:</b> | 9 (Operate) / 1.2 (Release)                         |
| <b>Switching Power:</b>         | 60 W, 125 VA  |
| <b>Switching Voltage DC:</b>    | 220 V   |
| <b>Switching Voltage AC:</b>    | 250 VAC   |
| <b>Switching Current:</b>       | 2 Amps  |
| <b>Contact Current Class:</b>   | >10A  |
| <b>Carrying Current:</b>        | 2 Amps  |
| <b>Contact Resistance:</b>      | 75 mOhms  |
| <b>Operation Time:</b>          | Approximately 2ms                                   |
| <b>Release Time:</b>            | Approximately 1ms                                   |
| <b>Insulation Resistance:</b>   | 1 GOhms   |
| <b>Withstanding Voltage:</b>    | 1000 VAC (1min) 1500 V Surge                        |
| <b>Miscellaneous:</b>           | Not Available, Please Contact MFG for other options |