



# Electromechanical Relays

## Miniature Signal Relays



### 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?

For more information, samples and engineering kits, please visit us at [www.kemet.com](http://www.kemet.com) or call 1.877.myKEMET.

### 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
  - Ultrasonography
- 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

Series	UA2	UB2	UC2	UD2	EA2	EB2	EC2	EE2	
Appearance									
Height (mm)	8.3	8.8	5.6	5.45	5.4	7.5	9.4	10.0	
Implementation (mm)	10.6 x 5.7	10.6 x 7.4	10.9 x 6.5	10.9 x 8.4	14.2 x 9.2	14.3 x 11.5	15 x 7.5	15 x 9.5	
Features	Ultra-compact, slim, high withstand voltage		Ultra-small, low-profile, high withstand voltage		Small, low-profile		Small, slim, high withstand voltage		
	THD	SMD	THD	SMD	THD	SMD	THD	SMD	
Contact Form	2C								
Contact	CAPACITY (W)	30 W / 37.5 VA				30 W / 62.5 VA			
	VOLTAGE (VDC)	220 VDC / 250 VAC							
	CURRENT (A)	1		2		2			
Coil	POWER (MW) CONSUMPTION	100–230		100–140		100–200		100–230	
	RATED VOLTAGE (VDC)	3, 4.5, 5, 12, 24		3, 4.5, 5, 12		3, 4.5, 5, 12, 24		3, 4.5, 5, 12, 24	
Options (Default is non-latch)	1 coil; latch type, low power consumption		1 coil; latch type, low power consumption		1 coil & 2 coil; latch type		1 coil & 2 coil; latch type, high isolation type		



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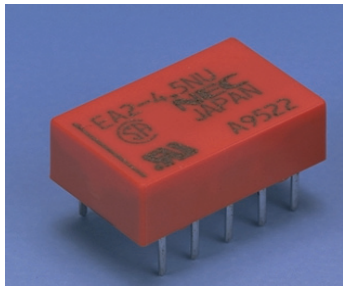


### Ordering Information

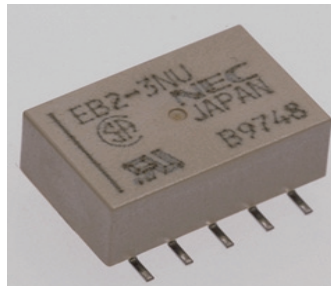
Series			Nominal Coil Voltage	Latch Type	Option		Packaging Code
EB2			- 3	S	NU		-L
Type	THD	SMD	1.5 = 1.5 V 3 = 3 V 4.5 = 4.5 V 5 = 5 V 12 = 12 V 24 = 24 V	Blank = Non-latch S = Single coil latch T = Double coil latch	THD	SMD	Blank = Tube (default packaging for THDs) L = Embossed carrying tape (L type)
Flat	EA2	EB2			NU = Standard NE = Low power consumption	NU = Standard NUN/NUH = Minimum footprint NE = Low power consumption NEN = Low power consumption with minimum footprint NUX = High solder joint reliability	
Ultra-Mini Flat	UC2	UD2					
Slim	EC2	EE2					
Ultra-Mini Slim	UA2	UB2					

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

### Through-Hole Type



### Surface Mount Type



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