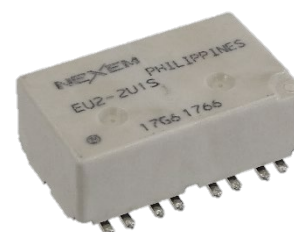


<FEATURE>

- 25A switching capacity
- Single and Twin relay (Separate type)
- High heat resistance
- Flux tight housing
- Pb free
- SMD, Reflow soldering available



<APPLICATION>

- Motor control such as window lifter, sun roof, seat, door lock, sliding door, tail gate, washer pump

<PART NUMBER SYSTEM>

EU2	-	2	U	1	SN	-	TA	
								Packing
								Enclosure
								Must operate voltage
								Contact Material
								Coil Resistance
								Type
								TA: Tape and Reel
								SN: Sealed
								1: 6.5V
								2: 6.0V
								U: Silver oxide complex alloy (Standard)
								2: 150Ω
								3: 130Ω
								EU2: Twin
								EU1: Single

Contact Form	Contact Material	Coil Nominal Voltage	Coil Resistance	Sealed Type
1 form C x 2	Standard	12VDC	150Ω	EU2-2U1SN-TA
1 form C x 2	Standard	12VDC	130Ω	EU2-3U2SN-TA
1 form C	Standard	12VDC	150Ω	EU1-2U1SN-TA

<COIL RATING>

(Ambient temperature: 20°C)

Coil Nominal Voltage	Nominal Operating Power	Coil Resistance (±10%)	Must Operate Voltage ⁽¹⁾	Must Release Voltage ⁽¹⁾
12VDC	0.96W	150Ω	6.5VDC	0.6VDC
12VDC	1.1W	130Ω	6.0VDC	0.6VDC

(1) Test by pulse voltage

<SPECIFICATIONS>

(Ambient temperature: 20°C)

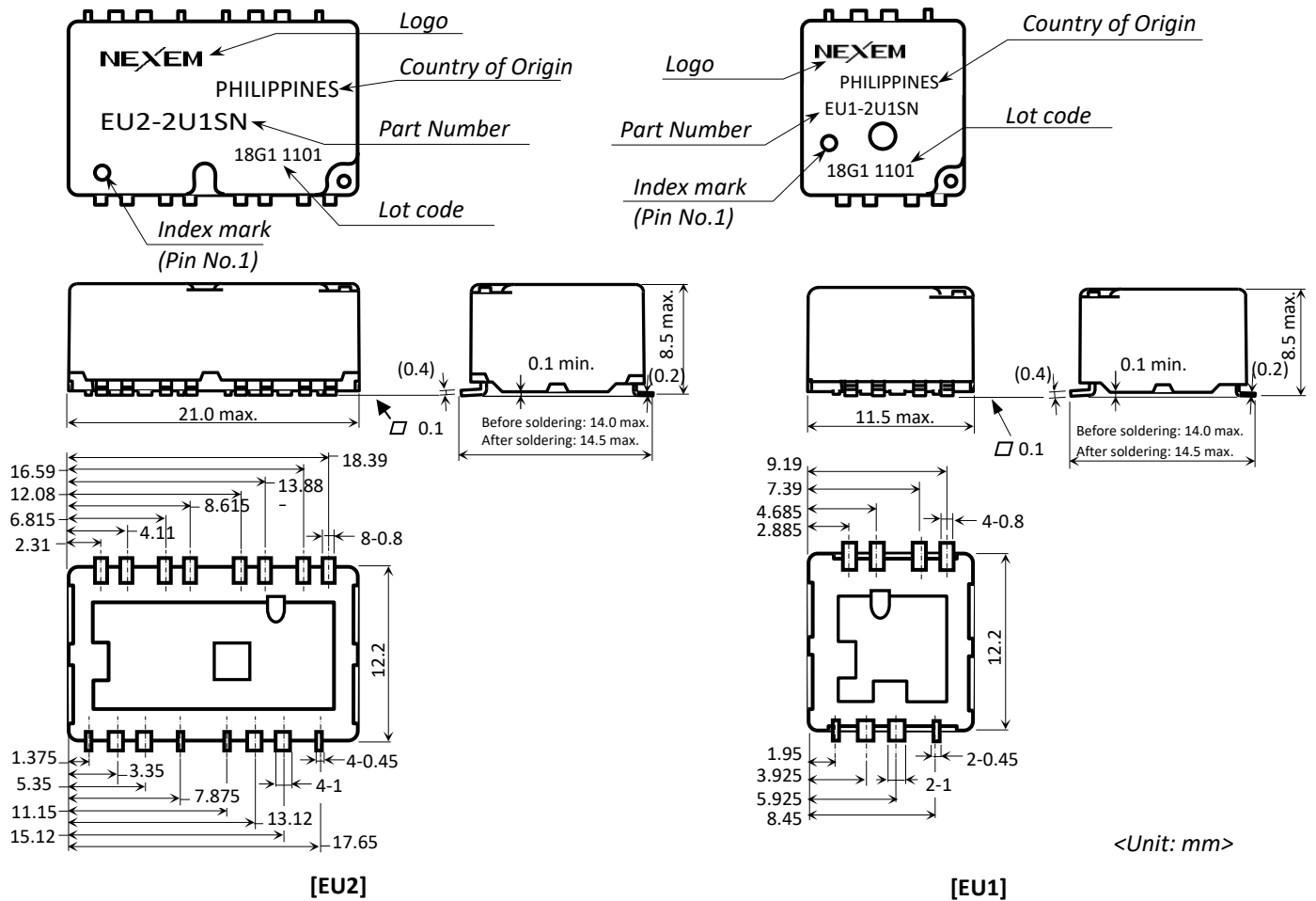
Items		Specifications	
		Twin	Single
Contact form		1 form C x 2 (Separate)	1 form C
Contact rating	Max. switching voltage ⁽²⁾	16Vdc	
	Max. switching current ⁽²⁾	30A	
	Min. switching current	1A at 5Vdc	
	Max. carrying current ⁽³⁾	25A at 14Vdc for 10min.	
	Contact resistance	4mΩ typical, 25mΩ max. (6Vdc-7A voltage drop method, initial)	
	Rated load	25A-14Vdc, Motor load	
Contact material		Silver oxide complex alloy	
Operate time ⁽⁴⁾		10ms max.	
Release time ⁽⁴⁾		10ms max.	
Insulation resistance		100MΩ min. at 500Vdc	
Breakdown voltage	Between open contacts	500Vac min. for 1minute	
	Between coil and contact	500Vac min. for 1minute	
Shock resistance	Misoperation	98m/s ²	
	Destructive failure	980m/s ²	
Vibration resistance	Misoperation	10 to 300Hz, 43m/s ²	
	Destructive failure	10 to 500Hz, 43m/s ² for 200hours	
Ambient temperature		-40 to +125°C (no freezing and condensation)	
Life expectancy	Mechanical	1,000,000 cycles	
	Electrical	100,000 cycles (Rated load)	
Weight		6g typical	3g typical

(2) Resistive, 10cycles

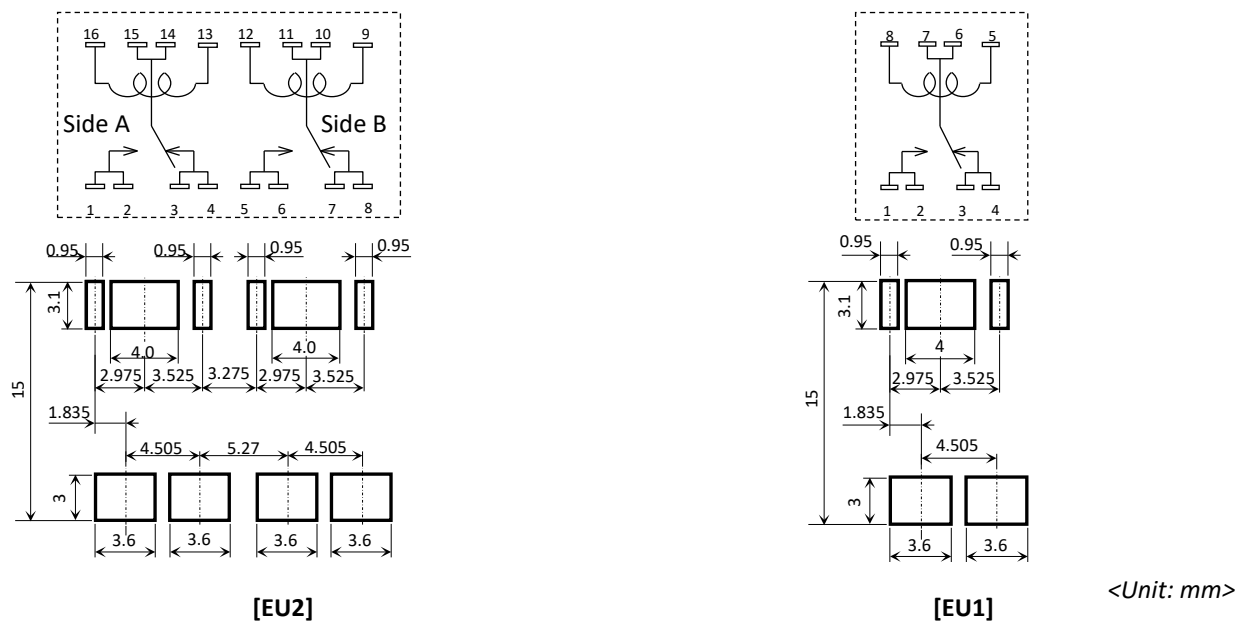
(3) Copper thickness: 105μm, width: 10mm

(4) Excluding contact bounce, nominal voltage applied, with flywheel coil diode

<DIMENSIONS>



<SCHEMATIC AND PCB PAD LAYOUT (TOP VIEW)>



Tolerance +/-0.2mm unless otherwise specified

<NOTICE>

- All specifications in this catalog and production status of products are subject to change without notice. Prior to the purchase, please contact EM Devices for updated product data.
- Please request for a specification sheet for detailed product data prior to the purchase.
- Before using the product in this catalog, please read "AUTOMOTIVE POWER RELAY USER'S MANUAL" in web site. (<https://www.em-devices.com/en/>)
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< REFLOW SOLDERING PROFILE >

- Reflow soldering with the following temperature (around terminal on printed circuit board) profile is recommended.

