

# 3E 2FormA Series

Surface Mount



## PRODUCT DESCRIPTIONS

In order to meet high density market demands, small package 2 Form A SMT relay was released, featured with a single coil drive. This series achieved a small mounting area per contact, and widely accepted by applications requiring high density tree circuit.

## SPECIFICATIONS

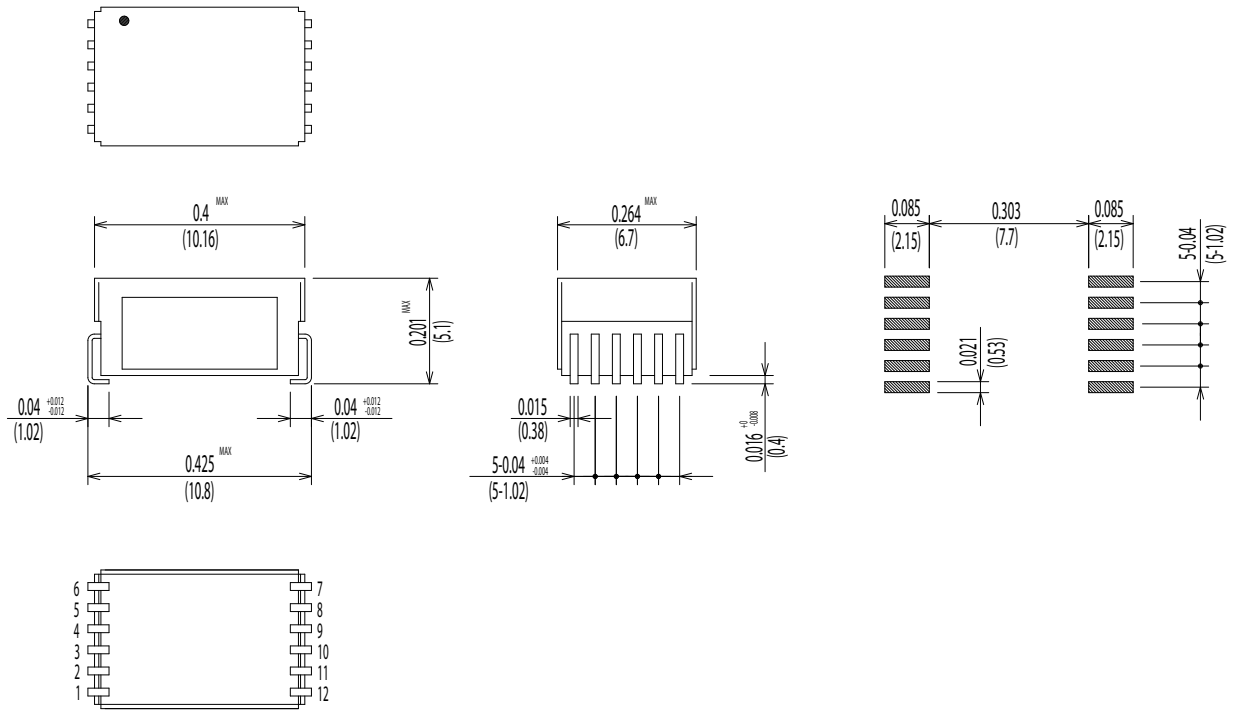


<b>3E 2FormA Series</b>		<b>3E-2A16J</b>	<b>3E-2A26J</b>	J: J-Lead
Parameters	Units	2 Form A		Test Conditions
<b>Coil Specifications</b>				
Nominal Coil Voltage	VDC	5.0	12.0	±10% @ 20°C 15°C to 35°C 15°C to 35°C
Coil Resistance	Ω	110	550	
Operate Voltage	VDC Max	3.2	8.4	
Release Voltage	VDC Min	0.7	1.2	
<b>Contact Ratings</b>				
Switching Voltage	Volts	100		Max DC/Peak AC resistance
Switching Current	Amps	0.5		Max DC/Peak AC resistance
Carry Current	Amps	1.0		Max DC/Peak AC resistance
Contact Rating	Watts	10		Max DC/Peak AC resistance
Life Expectancy	x10 <sup>6</sup> Cycle	300		@ 1V 10mA
Contact Resistance	mΩ	150		Max initial @ operate voltage
Contact Resistance Stability	mΩ	5.0		Max initial @ operate voltage
<b>Relay Specifications</b>				
Insulation Resistance	Ω Min	10 <sup>11</sup>		Between all isolated pins @ 100V 20°C 40%RH
Dielectric Strength	VDC Min	200		Between contacts
	VDC Min	250		Contacts to shield
	VDC Min	250		Contacts/Shield to coil
Operate Time (Including Bounce)	msec Max	0.5		@ nominal coil voltage 100Hz square wave
Release Time	msec Max	0.5		Diode suppression
<b>Environmental Ratings</b>				
Measurement Reference Conditions		Storage temp: -40°C to +85°C		
Temp: 15°C to 35°C		Operate temp: -20°C to +60°C		
Humidity: 25% to 75%RH		Vibration: 20G's to 2000Hz		
Atmospheric Pressure: 860 to 1060hpa		Shock: 50G's		

**Dimensions** All Dimensions are inches (mm)

**Land Pattern Recommendation**

**3E-2A16J/3E-2A26J**



**Schematic <Top View>**

