

RECTANGULAR X-AXIS LRA

1. Scope

This document contains required environmental, electrical, vibratory, mechanical, package and reliability test requirements.

2. Environmental Requirement

The vibration including all components and solder joints must be free from lead (Pb) and other banned or restricted substances according to customer's requirements.

3. Description And Application

This is a FPC contact vibrator which is applied with an AC signal (sine wave or square wave) around the resonant frequency. This device is recommended to be used for haptic feedback device, ex. Mobile phone.

4. Standard Operation Condition.

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|---------------------------------|---|
| 4.1 Rated voltage | 2.0Vrms (square wave or sine wave) |
| 4.2 Operating voltage range | 0~2.1Vrms |
| 4.3 Operating temperature range | -20°C to +70°C ordinary humidity (No condensation of moisture) |
| 4.4 Storage temperature range | 0°C to +40°C ordinary humidity at normal atmospheric pressure (No condensation of moisture) |

5. Characteristics

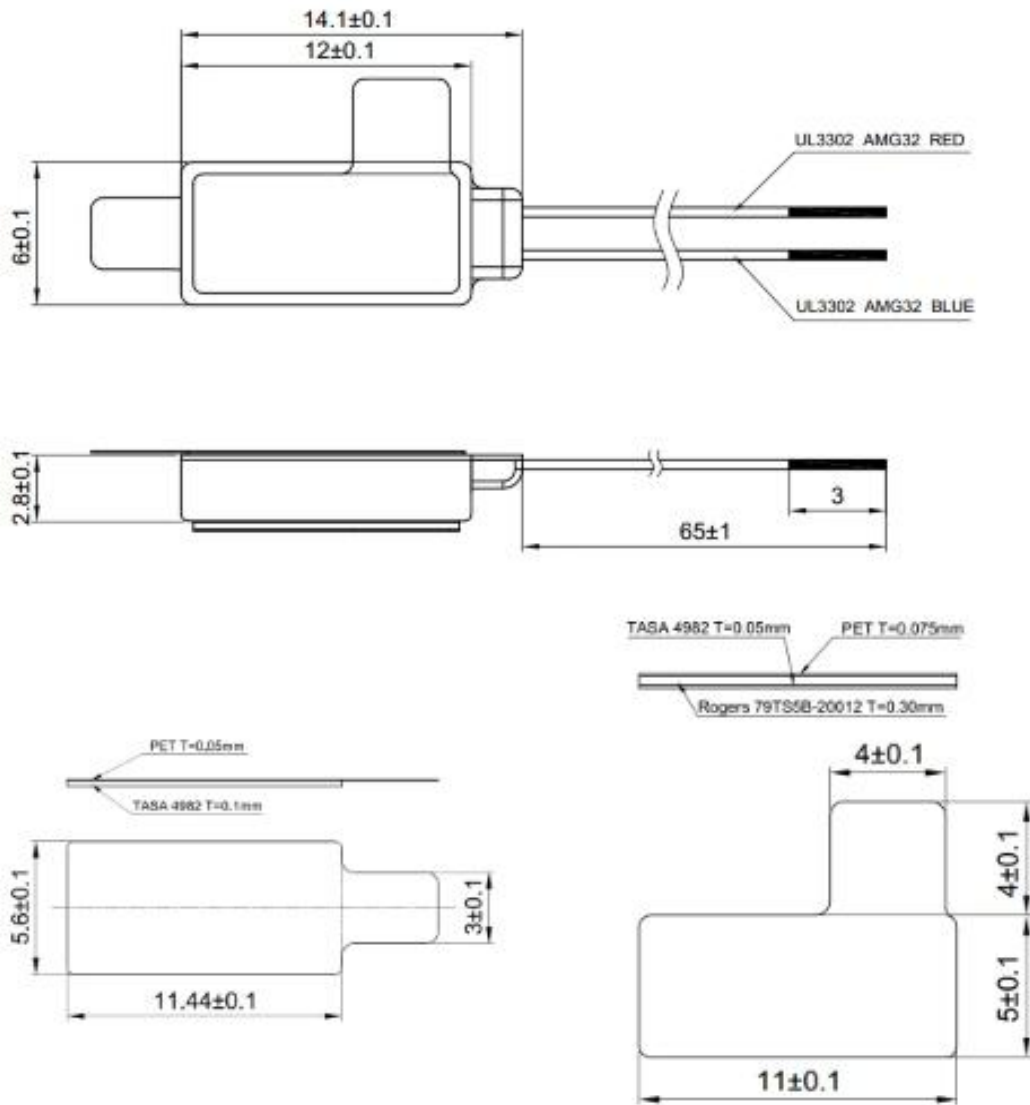
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|---------------------------|---|
| 5.1 Coil resistance | 15±15%Ω |
| 5.2 Rated current | Max 135mA @ rated voltage |
| 5.3 Insulation resistance | Min 10MΩ @ 100VDC Between terminal and housing. |

6. Performance

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| 6.1 Acceleration | Min 0.65 Grms at F0 @ 100g fixture in the middle @ 2Vrms sine wave (Refer to standard test condition) |
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	Product Specification	P/N	
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11. Mechanical Drawing:



. mechanical layout