

JSY-DS-1 / JSY-DS-1L

Dew sensor, JSY-DS-1, is consist of metal resistor electrode and conductive material on a durable ceramic substrate. Under normal condition, SY-DS-1 shows low resistance (approx 1k Ω). When humidity approaches switching point (about 90%RH), the sensor resistance increases rapidly (over 100k Ω / at 94%RH). JSY-DS-1 is a cost-effective dew detecting sensor applicable for variety of electronic device and HVAC system.

- Highly sensitive and accurate dew detection
- Long-term stability
- Small and lightweight
- Low hysteresis and fast response time

- VCRs
- Copiers
- AV system
- Defroster
- Transmitter
- Condensation switch



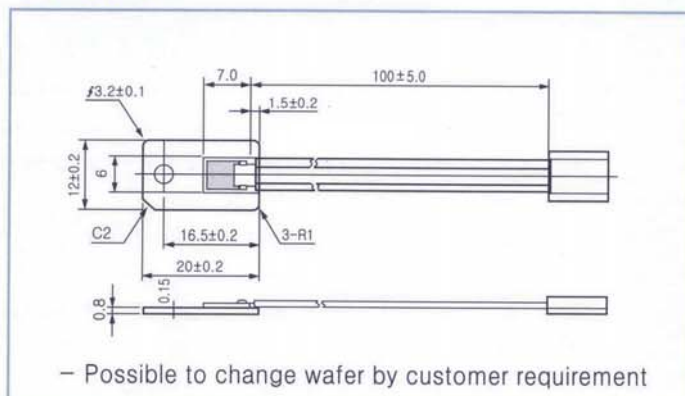
	JSY-DS-1	JSY-DS-1L
Rate voltage	DC / AC 0.8V(Max.)	
Accuracy (at 93%RH)	$\pm 2\%$ RH	
Operating humidity	0~100%RH	
Operating temperature	0~60 $^{\circ}$ C	
Storage humidity	< 95%RH	
Storage temperature	-20~85 $^{\circ}$ C	
Unit connector	Harness type	Pin type

at 25 $^{\circ}$ C, 1V_{RMS}, 1kHz

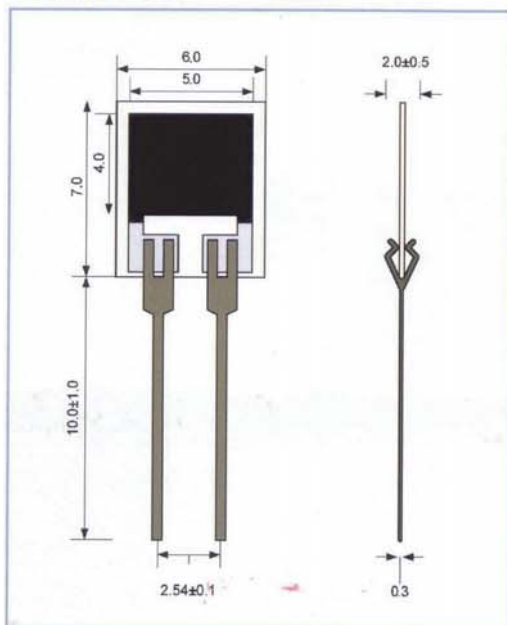
Relative Humidity (%RH)	75%RH	93%RH	98%RH
Resistance (k Ω)	MAX 10k Ω	MAX 100k Ω	MAX 200k Ω

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JSY-DS-1



JSY-DS-1L



- Take extra caution using in the atmosphere of the below
 1. Salty air and/or nearby anionic ionizer
 2. Inorganic gases (SO_x, NO_x, ammonia)
 3. Organic gases (alcohols, glycols, etc)

