Description

CSEB10A05-2.7F: Chinasound SMD Electro-magnetic Buzzer 9.6mm (<10mm) diameter, type A(=5mm height), 5VDC rated voltage - 2.7KHz resonant frequency, lead Free solderable and RoHS compliant

Picture



Characteristics dB mΑ CSEB10A05-2.7 95 30 SPL 90 20 85 10 VDC 4 6

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RoHS compliant

Flame Retardant Plastic

Lead Free Reflowing Solderable

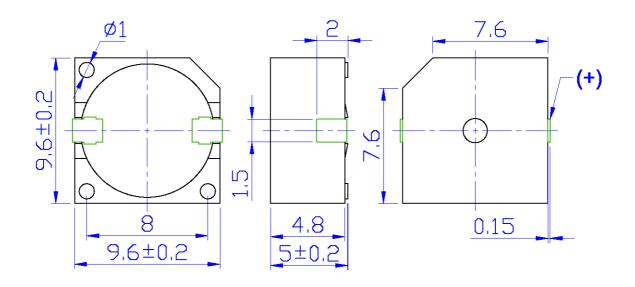
Small size

Specification		
Rated Voltage		5 VDC
Operating Voltage		4 ~ 7 VDC
Rated Current		30 mA max. at 5 VDC
Sound Output		85dB min. at 5 VDC, 10cm
Operating Frequency		2700+/-300Hz
Operating Temperature		-30 °C to +85 °C
Storage Temperature		-40 °C to +90 °C
Termination	Description	2 soldering pads, Sn plated Brass
	Termination Strength	Maximum of 9.8N load pull test, applied to each terminal in axial direction for 10 seconds
Construction Materials	Case	Plastic, PPS A7-03A
	Diaphragm	Ni Alloy Disc N50
Weight (Typical)		1.0 g
Reliability	*Life Test	At 5 VDC in room temperature continuously for 1000 hours
	*High Temperature	no function at +90+/-2 °C for 96 hours, function at +85+/-2 °C for 96 hours,
	*Low Temperature	no function at -40+/-2 °C for 96 hours, function at -30+/-2 °C for 96 hours,
	*Humidity	25+/-2 °C, 90-95%RH, 5hr→up to 55+/-2 °C, 90-95%RH, 0.5hr →55+/-2 °C, 90-95%RH, 5hr→down to 25+/-2 °C, 90-95%RH, 0.5hr, 10 cycles
	*Thermal Shock	-40+/-2 °C, 30min→+20 °C,15min,→+85+/-2 °C, 30min→+20 °C,15min, 5 cycles
	*Vibration	1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular direction for 2 hrs
	*Shock	98m/s ² (=10g) shock for each mutually perpendicular directions, half sine wave, 3 times each
	*Drop Test	Dropped naturally from 750mm height onto the surface of 10mm wooden board. 2 directions – upper and side of the part are applied
	*Soldering Heat Resistance	Samples put through reflowing soldering oven 2 twice
	**Solderability	Samples put on PCB with solder paste through reflowing soldering oven 1 times
Warranty	-	For a period of one (1) year from date of manufacture under normal operations

Warranty

* All specifications must be satisfied after the test (Recovery:2 to 4 hrs of recovery under the standard condition after the removal from test chamber). $^{\star\star}90\%$ min. soldering pads shall be with solder.(except the edge of pad)

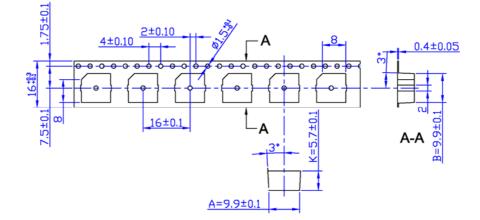
Dimensions (Unit: mm)



All specifications are subject to change without notice

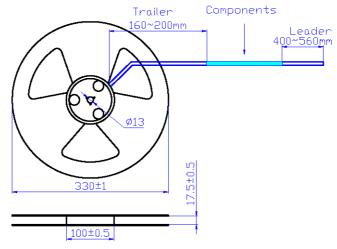


Tape & Reel Dimensions (Unit:mm)

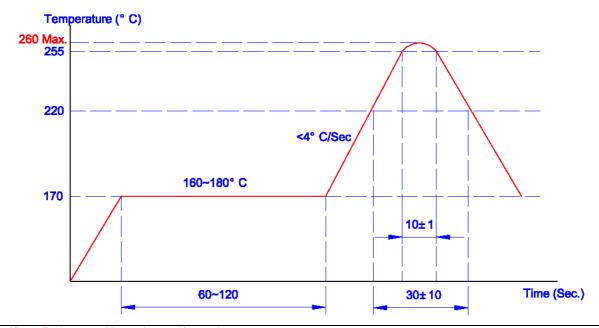


NOTE:

- 1.10 sprocket hole pitch cumulative tolerance +/-0.20mm.
- 2.Carrier camber not to exceed 1 mm in 100 mm.
- 3. All dimensions meet EIA-481-2-A requirements.
- 4. Thickness: 0.40+/-0.05 mm.
- 5. Component loaded per 13" reel: 750 pcs.



Recommend Reflowing Profile



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Chinasound