

# EDCON-COMPONENTS



## Specifications

|                        |                  |
|------------------------|------------------|
| Rated Voltage:         | 5DC              |
| Operating Voltage:     | 4~7VDC           |
| Rated Current:         | 30mA max.        |
| Typical Sound Output:  | 83dB min / 10cm  |
| Operating Frequency:   | 2300Hz +/-300Hz  |
| Operating Temperature: | . -25°C to +70°C |
| Storage Temperature:   | . -30°C to +80°C |
| Weight                 | 1,4gr.           |

|                           |                                                                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Life Test                 | At rated Voltage in room temperature continuously for 1000hours                                                                       |
| Operating Voltage:        | Driving from -25°C to +70°C within 30minutes for 2 cycles                                                                             |
| High Temperature: Tol.2°C | . +80 +/-2°C for 96 hours                                                                                                             |
| Low Temperature: Tol. 2°C | . +30 +/-2°C for 96 hours                                                                                                             |
| Humidity:                 | 25°C +/-2°C, 90-95%RH, 5hr>up to 55°C +/-2° C, 90-95%RH, 0,5hr> 55°C +/-2°C 90-95%RH 5hr>downto 25°C +/-2°C 90-95%RH, 0,5hr, 10cycles |
| Thermal Shock:            | . -30°C +/-2°C, 30min>+20°C, 15min,>+80° C +/-2°C, 30min> +20°C, 15min, 5cycles                                                       |
| Vibration:                | 1,5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular directions of 2 hours                                         |
| Shock:                    | 98m/s <sup>2</sup> (100g) shock for each mutually perpendicular directions, half sine wave, 3 times each 11ms by half sine wave       |
| Drop Test:                | Dropped naturally from 700mm height onto the surface of 10mm wooden board. 2 directions upper and side of the parts are appl.         |

## Features

Reliable Solid State Piezoelectric Technology  
Corrosion Resistance Diaphragm  
Flame Retardant Plastic  
Tape and Reel Packaging for auto mounting

## Applications

Automatic Control Equipment  
Communication Equipment  
Electronic Instruments

## 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). 90% min soldering pads shall be with solder ( except the edge of pad).

## THT Electro Magnetic Buzzer

Part No.: **I21010**

Customer:

|       |        |      |        |        |        |           |           |      |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE | 10.06.2010 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. |      | 1 from 4   |

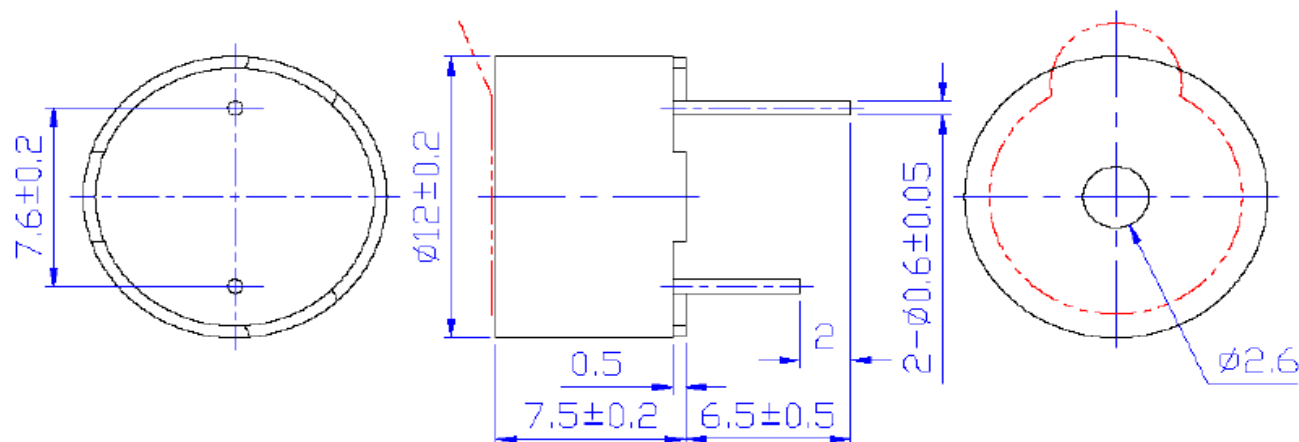
[www.edcon-components.com](http://www.edcon-components.com)

email: [info@edcon-components.com](mailto:info@edcon-components.com)

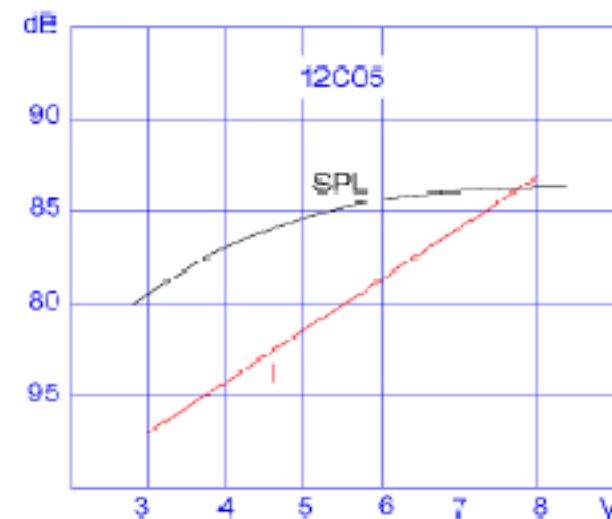
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## Dimensions (mm)



## Characteristics



### THT Electro Magnetic Buzzer

Part No.: I21010

|       |        |      |        |        |        |           |           |          |            |
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| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 10.06.2010 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 2 from 4 |            |

Customer:

[www.edcon-components.com](http://www.edcon-components.com)

email: [info@edcon-components.com](mailto:info@edcon-components.com)

# EDCON-COMPONENTS



## Ordering Informations

| Serie  | Model-No. | ROHS | Package |  |  |  |  |  |  |
|--------|-----------|------|---------|--|--|--|--|--|--|
| I21010 | 12C052.3  | R    | TY      |  |  |  |  |  |  |

|                                   |                             |
|-----------------------------------|-----------------------------|
| <b>R</b> = ROHS<br>Conform        | <b>TY</b> = Tray<br>Packing |
| <b>N</b> = NON<br>ROHS<br>Conform | <b>TU</b> = Tube<br>Packing |

**THT Electro Magnetic  
Buzzer**

Part No.: **I21010**

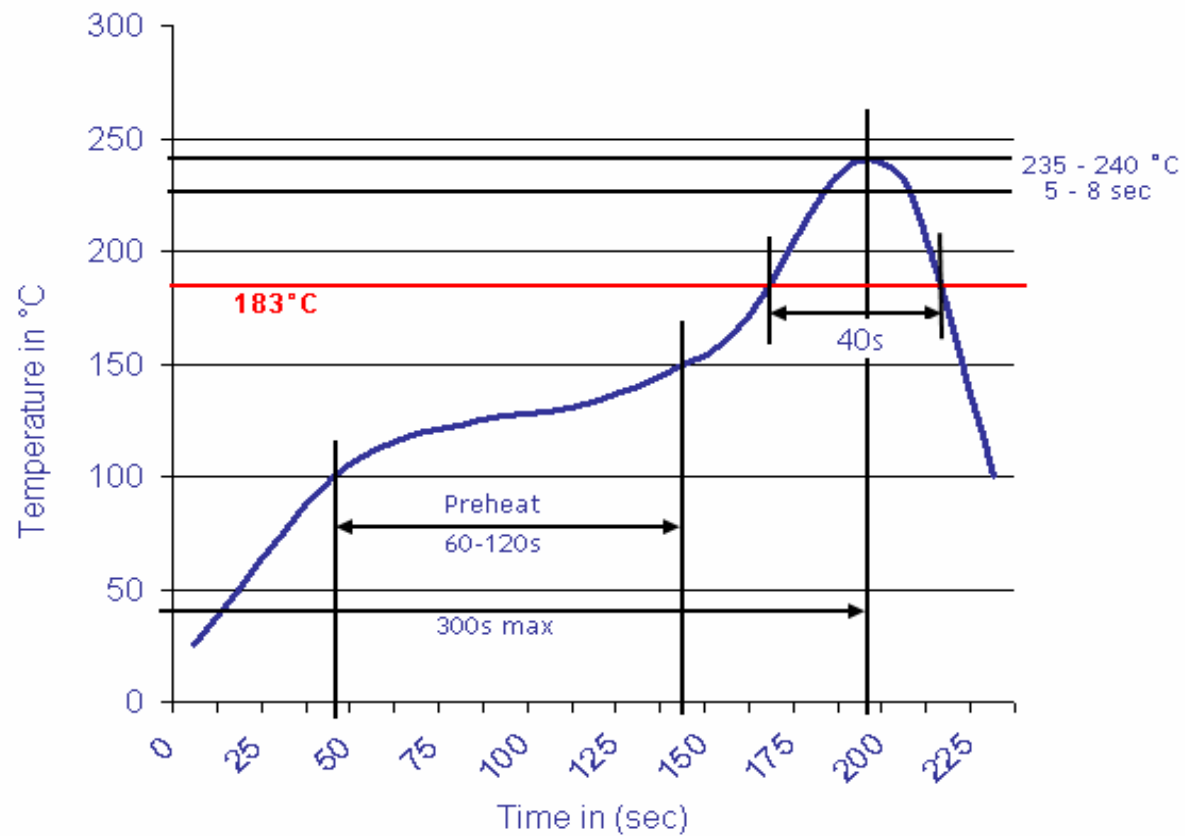
|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 10.06.2010 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 3 from 4 |            |

Customer:



## Soldering Profile Curve

## Classification Reflow Profile (JEDEC J-STD-020C)


**THT Electro Magnetic  
Buzzer**

 Part No.: **I21010**

Customer:

|       |        |      |        |        |        |           |           |          |            |
|-------|--------|------|--------|--------|--------|-----------|-----------|----------|------------|
| DRW:  | Jason  | CHKD | Wilson | MATL:  | Wilson | TOLERANCE | Mason     | DATE     | 10.06.2010 |
| APPD: | Schumi |      |        | FINISH | Jamy   |           | Sheet No. | 4 from 4 |            |