



## Technical Specification

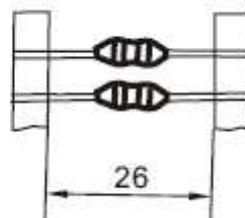
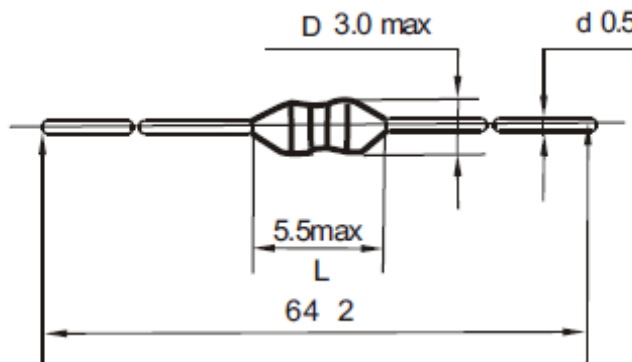
### Features

Magnetic Core  
Wire Wound construction  
Heat Resistant epoxy molded resin  
High reliability Ideal for automatic insertion  
Small Size  
Tolerance 10% is standard tighter tolerance available

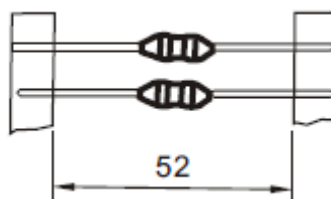
### Applications

VCRs, PDP LCD, TV set  
Automotive Systms  
Computer Peripheral Equipment  
GPS, DC/DC Converter,  
XDSL Modem  
Electronic Games  
Mobile Communications Equipment  
General Electronic Applications

### Dimensions



TB26



TB52

## Electrical Characteristics

### Technical Information

Inductance Testing: HP4284A, HP 4285A equivalent  
RDC: Quad Tech 1880 Milliohm meter  
Q-HP4342A  
SRF-HP4191A or HP4194A  
Rated Current L value drop 10% typ.at Idc against  
ist initial value.  
Temperature rise: 40 Max. Reference ambient temper.  
Solderability: 75° of the lead wire shall be covered  
SolderingMethods: Wave ; Reflow  
Operating Temperature: -25°C ~ +85°C  
Storage Temperature: -55°C ~ +105°C  
Terminal bending strength: 24,5N min.  
Moisture resistance: L/L 10% Q/Q 25%

| Inductance | Inductance Code | IDC    | DCR max. |
|------------|-----------------|--------|----------|
| 270μH      | 271             | 0,065A | 19,000Ω  |

|  | Q min. | L-Test Freq. | SRF    |
|--|--------|--------------|--------|
|  | 50     | 0,796MHz     | 2,8MHz |

### THT AXIAL Standard Coated Inductors

Part No.: **S10A14**

Customer:

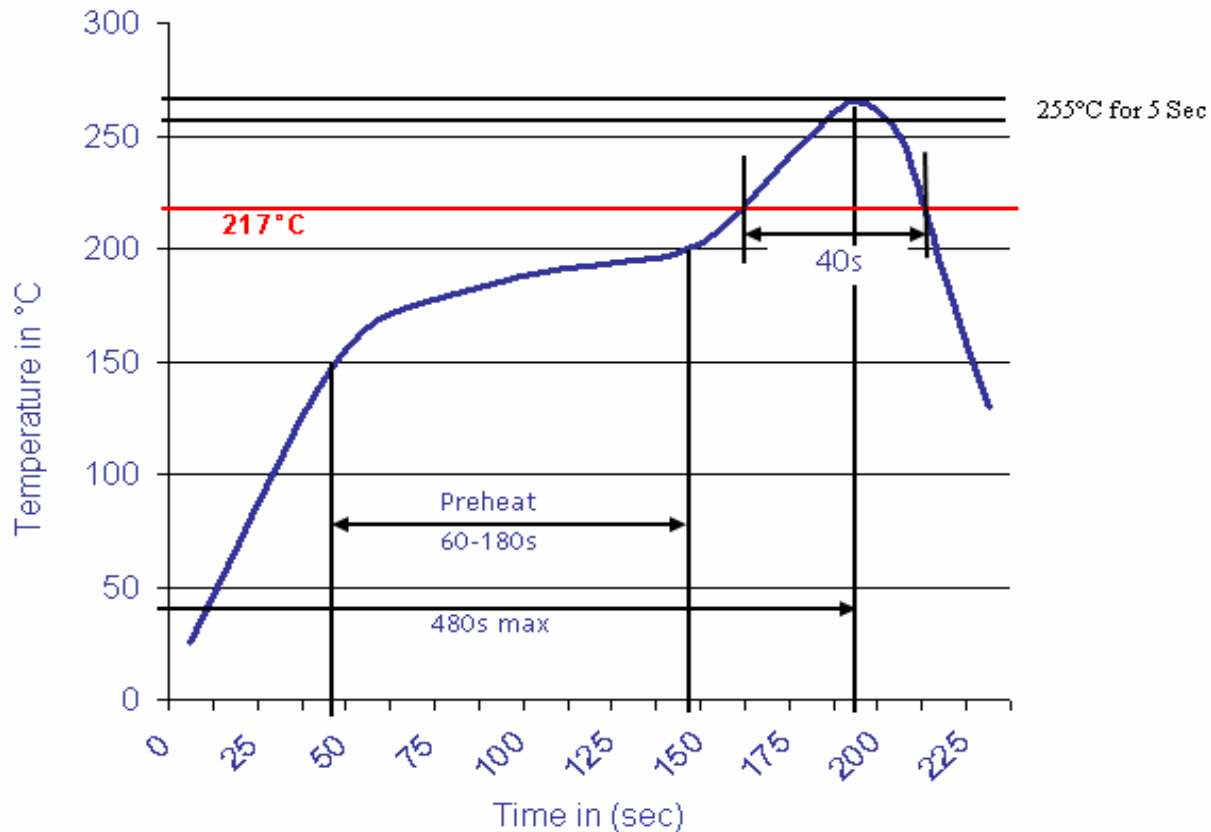
|       |       |      |     |        |      |       |            |
|-------|-------|------|-----|--------|------|-------|------------|
| DRW:  | James | CHKD | Jim | MATL:  | Wim  | DATE  | 06.08.2008 |
| APPD: | Sarah |      |     | FINISH | Jeff | Sheet | 1 from 2   |

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## Soldering Profile

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



## Ordering Information

| Serie | Inductance | Tolerance | Function | ROHS | Packing |  |
|-------|------------|-----------|----------|------|---------|--|
|-------|------------|-----------|----------|------|---------|--|

|               |            |          |          |          |             |  |
|---------------|------------|----------|----------|----------|-------------|--|
| <b>S10A14</b> | <b>271</b> | <b>K</b> | <b>N</b> | <b>R</b> | <b>TB52</b> |  |
|---------------|------------|----------|----------|----------|-------------|--|

|                   |                    |                       |                            |                               |
|-------------------|--------------------|-----------------------|----------------------------|-------------------------------|
| <b>271=</b> 270µH | <b>K=</b> Tol. 10% | <b>N=</b> No function | <b>R=</b> ROHS conform     | <b>BU=</b> Bulk Ware          |
|                   | <b>J=</b> Tol. 5%  |                       | <b>N=</b> NON ROHS conform | <b>TB26=</b> Tape Box Package |
|                   |                    |                       |                            | <b>TB52=</b> Tape Box Package |

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Part No.: **S10A14**

Customer:

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| DRW:  | James | CHKD | Jim | MATL:  | Wim  | DATE  | 06.08.2008 |
| APPD: | Sarah |      |     | FINISH | Jeff | Sheet | 2 from 2   |

