



### DISCRIPTION

## **FEATURES**

Magnetically Shielded Structure Low DC Resistance Excellent Mechanical Strength High Reliability and Excellent Solderability Low and square Profile High heat resistance

# **OPTIONS**

Tape & Reel is Standard ( Qty : 2500 pcs ) Bulk Packing Available for smaller quantites Tolerance: J=5% ; K=10% is Standard, Tighter Tolerances Available

#### **APPLICATIONS**

VCRs, Notebook, DC/DC Converters Video Digital Cameras Communication System Automotive System Power supplier LCD PDP Televisons Hard Disk Drives, Topset, XDSL Computer Peripheral Equipment

## PHYSICAL CHARACTERISTICS

- Inductor Testing : HP4284A (Equivalent acceptable)
   DCR : QuadTech 1880 mΩ Q-HP4342A SRF- HP4191A
   IDCMax current is decreased 10% against its initial value
- Operating temperature : -40°C ~ +105°C
- Storage temperature : -40°C ~ +105°C
- Solder methods : Vapor Phase, Infrared Reflow
- Resistance to soldering heat : 260°C for 10 seconds
- Solvent resistance : Conforms to MIL-STD-202E

## **ELECTRICAL SPECIFICATIONS**

| Properties         | Test conditions |          | Value | Unit | Tol.       |
|--------------------|-----------------|----------|-------|------|------------|
| Inductance         |                 | L        | 100   | μH   | see Site 2 |
| Q factor           |                 | Q        |       |      | min.       |
| DC-resistance      |                 | DCR typ. |       | Ω    | typ.       |
| DC-resistance      |                 | DCR max. | 3,255 | Ω    | max.       |
| Self-Res. Freq.    |                 | SRF      |       | KHz  | min.       |
| Test-Freq.         |                 |          | 100   | KHz  |            |
| Rated Current      |                 | IDC      | 0,19  | A    | max.       |
| Saturation Current |                 | I SAT    |       | Α    | max.       |

| <ol> <li>This electronic component is meant to be used in general electronic equipment. Before the incorporation of this component into any equipment with higher and more reliable requirements such as aviation, aerospace, submarine, nuclear control, transportation, transportation signal, disaster prevention, medical, public information network, etc. or if there is a possibility of injuries or damages to the human body, Edcon</li> </ol> |       |      |       |        |         | SHIELDED SMT |            |
|---|-------|------|-------|--------|---------|--------------|------------|
| -Components must be informed before the stage of design-in. Evaluation checks for safety have to be   |       |      |       |        |         | Part No.:    | S27001-101 |
| performed on each electronic components used in electrical circuits that require high safety and reliability functions.   |       |      |       |        |         | Customer:    |            |
| DRW:  | Chang | CHKD | Young | MATL:  | Chu Chi | DATE         | 19.06.2009 |
| APPD:   | Pong  |      |       | FINISH | Vienna  | Sheet        | 1 from 2   |

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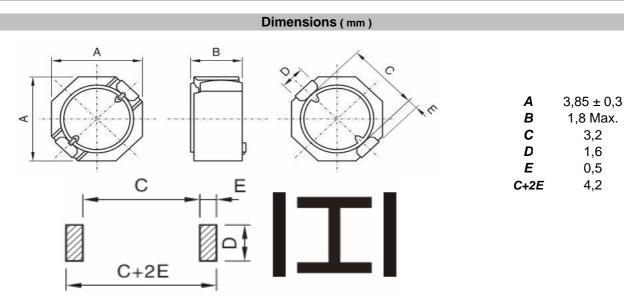
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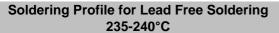
### **TECHNICAL INFORMATIONS**

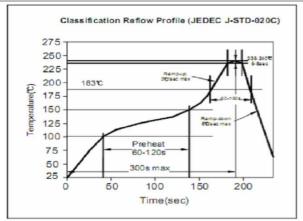


#### **Ordering Information**

Serie and Range S27001-101

| Tolerance      | ROHS            | Packing               |  |  |
|----------------|-----------------|-----------------------|--|--|
| м              | R               | TR                    |  |  |
|                |                 |                       |  |  |
| <b>J</b> = 5%  | <b>R =</b> ROHS | BU = Bulk Ware        |  |  |
| <b>K</b> = 10% | N = non ROHS    | <b>TR =</b> Tape Reel |  |  |
| <b>M</b> = 20% |                 |                       |  |  |
| <b>N</b> = 30% |                 |                       |  |  |



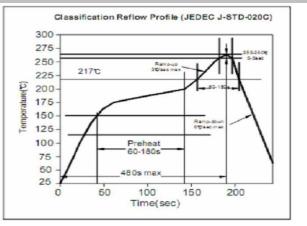




3,2

1,6 0,5

4,2



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|---|-------|------|-------|--------|---------|--|------------|
| -Components must be informed before the stage of design-in. Evaluation checks for safety have to be performed on each electronic components used in electrical circuits that require high safety and reliability  |       |      |       |        |         | Part No.:                                  | S27001-101 |
| functions.  |       |      |       |        |         | Customer:                                  |            |
| DRW:  | Chang | CHKD | Young | MATL:  | Chu Chi | DATE                                       | 19.06.2009 |
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