

## DISCRIPTION

### FEATURES

Ferrite Core bobbin construction  
 High frequency and Large current  
 Excellent Mechanical Strength  
 Excellent Solderability  
 Excellent Frequency performance

### OPTIONS

Tape & Reel is Standard ( Qty:2000 Pcs )  
 Bulk Packing Available for smaller quantities  
 Tolerance: M=20% is Standard,  
 Tighter Tolerances Available

### APPLICATIONS

DC-DC Converter  
 Video Cameras  
 Communication System  
 Electronic Equipment  
 Automotive Systems  
 Liquid Crystal Televisions  
 Network Systems

## PHYSICAL CHARACTERISTICS

- Z test with HP4191A or HP4395A
- RDC:QuadTech 1880 Milliohm meter
- Operating temperature : -40°C ~ +105°C
- Storage Temperature : -40°C ~ +105°C
- Resistance to soldering heat: 260°C for 10 seconds

## ELECTRICAL SPECIFICATIONS

| Properties         | Test conditions |          | Value                 | Unit | Tol.       |
|--------------------|-----------------|----------|-----------------------|------|------------|
| Impedance          |                 | 100 MHz  | 5000                  | Ω    | see Site 2 |
| Q factor           |                 | Q        | ---                   |      | min.       |
| DC-resistance      |                 | DCR typ. | ---                   | mΩ   | typ.       |
| DC-resistance      |                 | DCR max. | 620                   | mΩ   | max.       |
| Self-Res. Freq.    |                 | SRF      | ---                   | MHz  | min.       |
| Test-Freq.         |                 |          | 1                     | KHz  |            |
| Rated Current      |                 | IDC      | 0,25                  | A    | max.       |
| Saturation Current |                 | I SAT    | ---                   | A    | max.       |
| Rated Voltage      |                 |          | 80                    | V DC |            |
| Wistanding Voltage |                 | CH-901   | AC 150 V 2mA / 1 min. |      |            |

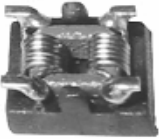
1. This electronic component is meant to be used in general electronic equipment. Before the incorporation of this component into any equipment with higher and more reliable requirements such as aviation, aerospace, submarine, nuclear control, transportation, transportation signal, disaster prevention, medical, public information network, etc. or if there is a possibility of injuries or damages to the human body, Edcon -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 functions.

### SMT WOUND COMMON MODE CHOKES

Part No.: **S38008-502**

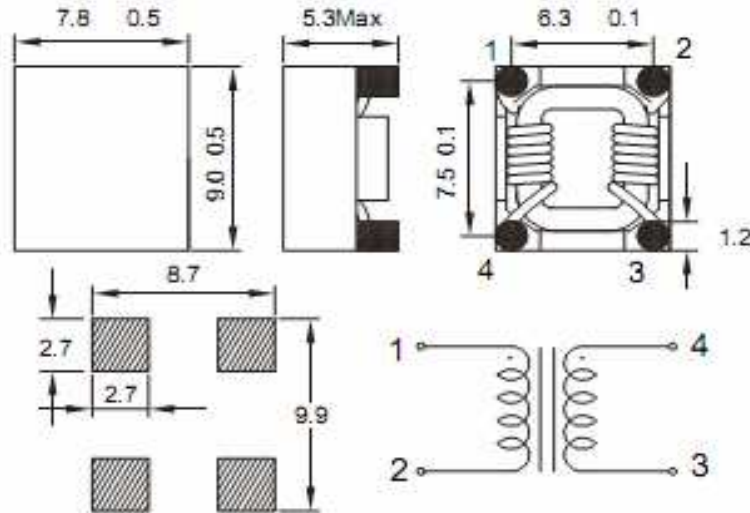
Customer:

|       |       |      |       |        |         |       |            |
|-------|-------|------|-------|--------|---------|-------|------------|
| DRW:  | Chang | CHKD | Young | MATL:  | Chu Chi | DATE  | 23.06.2009 |
| APPD: | Pong  |      |       | FINISH | Vienna  | Sheet | 1 from 2   |



**TECHNICAL INFORMATIONS**

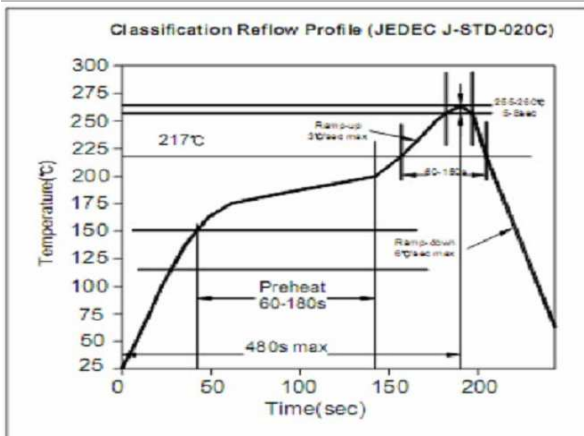
**Dimensions ( mm )**



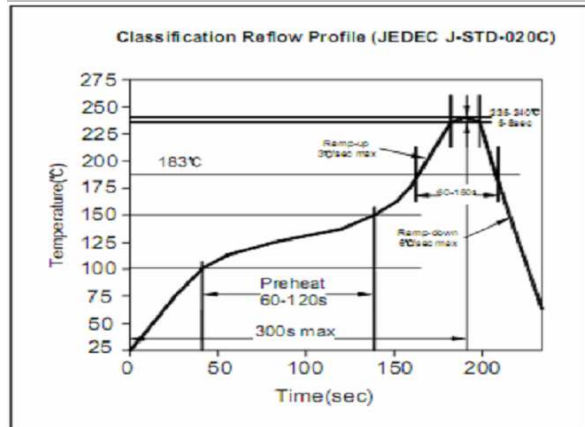
**Ordering Information**

|                        |                     |                       |                |
|------------------------|---------------------|-----------------------|----------------|
| <b>Serie and Range</b> | <b>Tolerance</b>    | <b>ROHS</b>           | <b>Packing</b> |
| <b>S38008-502</b>      | <b>M</b>            | <b>R</b>              | <b>TR</b>      |
| <b>K = 10%</b>         | <b>R = ROHS</b>     | <b>BU = Bulk Ware</b> |                |
| <b>M = 20%</b>         | <b>N = non ROHS</b> | <b>TR = Tape Reel</b> |                |
| <b>N = 30%</b>         |                     |                       |                |

**Soldering Profile for Lead Free Soldering  
255-260°C**



**Soldering Profile for Lead Free Soldering  
235-240°C**



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**SMT WOUND COMMON  
MODE CHOKES**

Part No.: **S38008-502**

Customer:

|       |       |      |       |        |         |       |            |
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| DRW:  | Chang | CHKD | Young | MATL:  | Chu Chi | DATE  | 23.06.2009 |
| APPD: | Pong  |      |       | FINISH | Vienna  | Sheet | 2 from 2   |