



DISCRIPTION

FEATURES

Toroid core
 Excellent Mechanical Strength
 Excellent Solderability
 High Reliability
 Low Profile

OPTIONS

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

APPLICATIONS

DC/DC, AC/DC converter
 Filter and Noise suppression
 Communication System
 Automotive Systems
 Liquid Crystal Televisions
 Network Systems
 Computer Peripheral Equipment

PHYSICAL CHARACTERISTICS

- IDC Max: Determined when superimposed
- Inductance test: HP4284A 10KHz 0.1V
- RDC: QuadTech 1880 Milliohmeter
- Operating temperature: -40°C ~ +125°C
- Storage Temperature: -55°C ~ +125°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 | 22 | mH | see Site 2 |
| Q factor | | Q | --- | | min. |
| DC-resistance | | DCR typ. | --- | Ω | typ. |
| DC-resistance | | DCR max. | 0,850 | Ω | max. |
| Self-Res. Freq. | | SRF | --- | MHz | min. |
| Test-Freq. | | | 10 | KHz | |
| Rated Current | | IDC | 0,50 | A | max. |
| Saturation Current | | I SAT | --- | A | max. |

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 TOROIDAL COMMON MODE CHOKES

Part No.: **S39007-223**

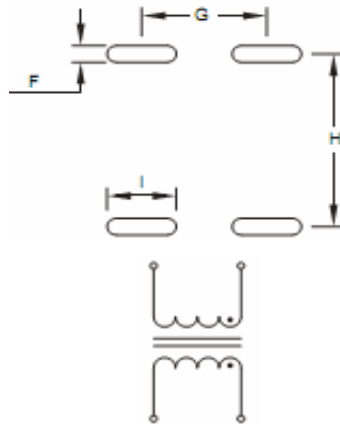
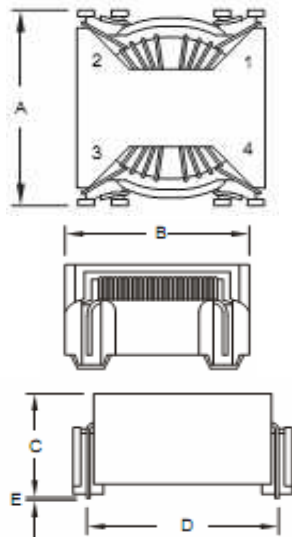
Customer:

| | | | | | | | |
|-------|-------|------|-------|--------|---------|-------|------------|
| DRW: | Chang | CHKD | Young | MATL: | Chu Chi | DATE | 24.06.2009 |
| APPD: | Pong | | | FINISH | Vienna | Sheet | 1 from 2 |



TECHNICAL INFORMATIONS

Dimensions (mm)



| | |
|----------|----------|
| A | 16,0 Typ |
| B | 14,0 Typ |
| C | 7,87 |
| D | 13,46 |
| E | 0,63 |
| F | 1,52 |
| G | 8,63 |
| H | 13,46 |
| I | 4,50 |

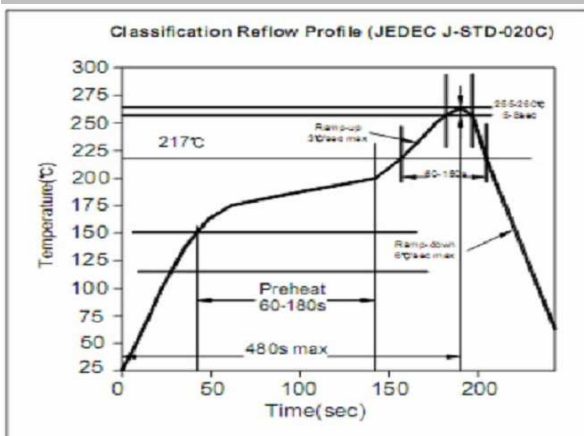
Ordering Information

| Serie and Range |
|-----------------|
| S39007-223 |

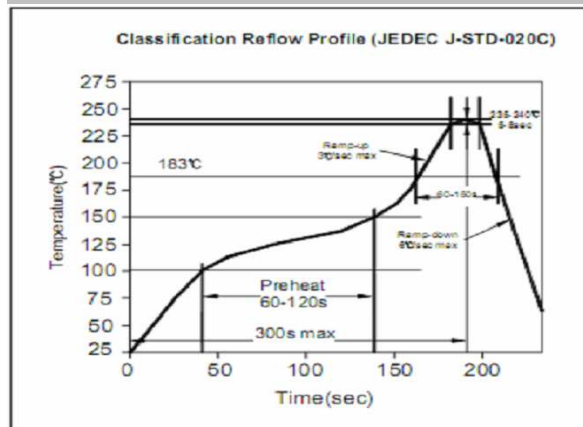
| Tolerance | ROHS | Packing |
|-----------|------|---------|
| M | R | TR |

| | | |
|---------|--------------|----------------|
| K = 10% | R = ROHS | BU = Bulk Ware |
| M = 20% | N = non ROHS | TR = Tape Reel |
| Y = 25% | | |
| N = 30% | | |

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



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



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| APPD: | Pong | | | FINISH | Vienna | Sheet | 2 from 2 |