



DISCRIPTION

FEATURES

Higher Frequency
High Saturation Material
Low EMI Radiation
Pick and Place
Low DC Resistance

OPTIONS

Tape & Reel is Standard
Tolerance: M=20% is Standard,
Tighter Tolerances Available

APPLICATIONS

Electronic Appliances
DC-DC Conversion
EMI/RFI Suppression

PHYSICAL CHARACTERISTICS

- Insulation Resistance: 100Vdc 1KM min
- Turns Ratio: 1,1 0%
- RDC: QuadTech 1880 Milliohmometer
- Soldering temperature: 260°C for 1 seconds
- Operating temperature: -40°C ~ +125°C
- Storage Temperature: -55°C ~ +125°C
- Different package available per special request
- Max of 35% saturation on DC bias applied

ELECTRICAL SPECIFICATIONS

| Properties | Test conditions | | Value | Unit | Tol. |
|--------------------|-----------------|----------|-------|------|------------|
| OCL | | nominal | 7,90 | μH | see Site 2 |
| Q factor | | Q | --- | | min. |
| DC-resistance | | DCR typ. | --- | Ω | typ. |
| DC-resistance | | DCR max. | 0,027 | Ω | max. |
| Self-Res. Freq. | | SRF | --- | MHz | min. |
| Test-Freq. | | | 100 | KHz | |
| Rated Current | | IDC | 3,50 | 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 COILS AND COMMON MODE TOROIDAL CHORES

PARALLEL

Part No.: **S39002-8R0**

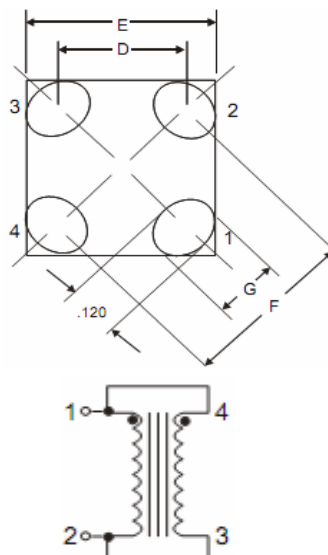
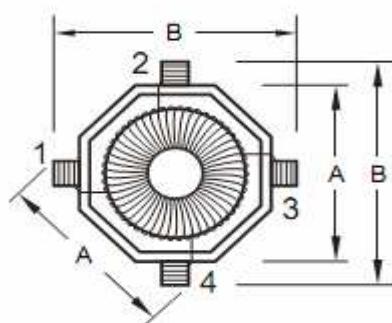
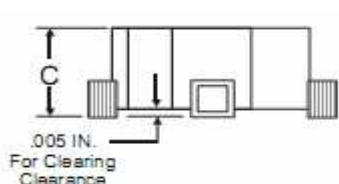
Customer:

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



TECHNICAL INFORMATION

Dimensions (mm)

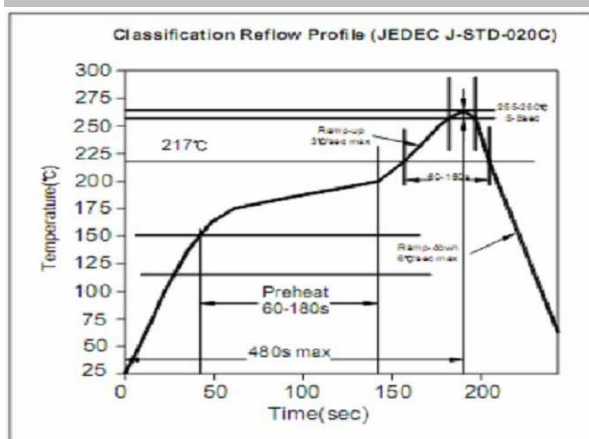


| | |
|----------|-------|
| A | 8,89 |
| B | 11,43 |
| C | 5,97 |
| D | 7,03 |
| E | 10,71 |
| F | 9,96 |
| G | 3,68 |

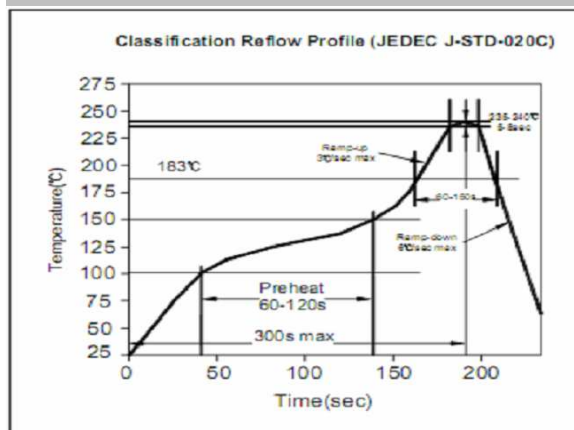
Ordering Information

| Serie and Range | Tolerance | ROHS | Packing |
|-------------------|----------------|----------------------------------------|------------------------------------------------|
| S39002-8R0 | M | R | TR |
| | M = 20% | R = ROHS N = non ROHS | BU = Bulk Ware TR = Tape Reel |

Soldering Profile for Lead Free Soldering 255-260°C



Soldering Profile for Lead Free Soldering 235-240°C



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 COILS AND COMMON MODE TOROIDAL CHORES

PARALLEL

Part No.: **S39002-8R0**

Customer:

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