



DISCRIPTION

FEATURES

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

OPTIONS

Tape & Reel is Standard (Qty:2000pcs)
Bulk Packing Available for smaller quantites
Tolerance: J=5% and K=10% is Standard,
Tighter Tolerances Available

APPLICATIONS

Electronic Appliances
DC-DC Conversion (Paraller Mode)
Isolation/Coupling (Transformer)
Input Filter (Serial Mode)
EMI/RFI Suppression

PHYSICAL CHARACTERISTICS

- IDC Max: Determined when superimposed
- Inductance test: HP4284A 10KHz 0.1V
- RDC: QuadTech 1880 Milliohmometer
- 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 | 47 | μH | see Site 2 |
| Q factor | | Q | --- | | min. |
| DC-resistance | | DCR typ. | --- | mΩ | typ. |
| DC-resistance | | DCR max. | 166 | mΩ | max. |
| Self-Res. Freq. | | SRF | 14 | MHz | min. |
| Test-Freq. | | | 10 | KHz | |
| Rated Current | | IDC | 1,40 | 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 TOROID CHOKES

Part No.: **S39013-470**

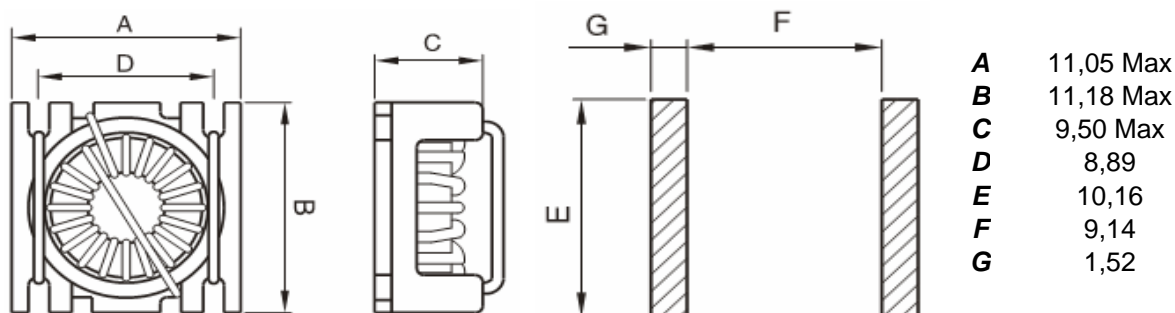
Customer:

| | | | | | | | |
|-------|-------|------|-------|--------|---------|-------|------------|
| DRW: | Chang | CHKD | Young | MATL: | Chu Chi | DATE | 25.06.2009 |
| APPD: | Pong | | | FINISH | Vienna | Sheet | 1 from 2 |



TECHNICAL INFORMATION

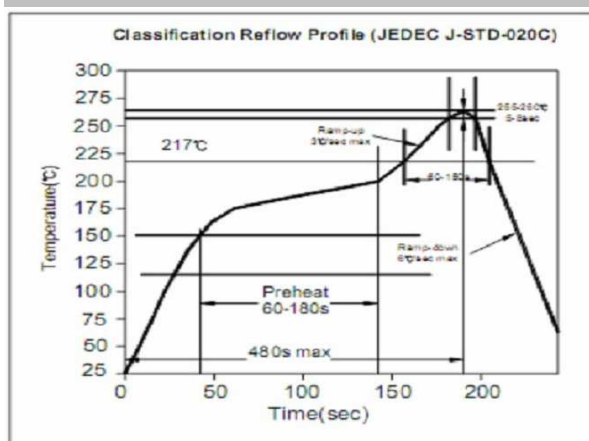
Dimensions (mm)



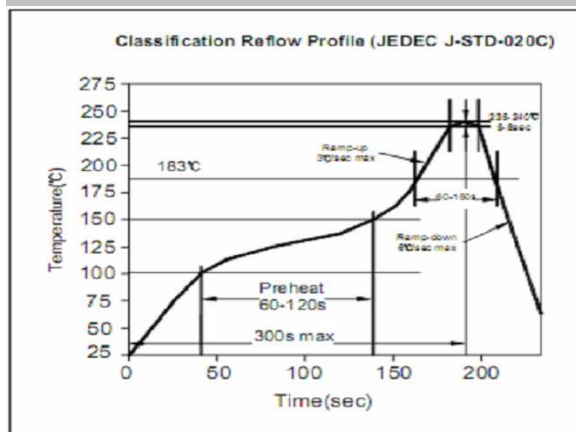
Ordering Information

| Serie and Range | Tolerance | ROHS | Packing | Material |
|-----------------|-----------|--------------|----------------|----------|
| S39013-470 | M | R | TR | C |
| | J = 5% | R = ROHS | BU = Bulk Ware | 52 |
| | K = 10% | N = non ROHS | TR = Tape Reel | |
| | M = 20% | | | |
| | N = 30% | | | |

Soldering Profile for Lead Free Soldering 255-260°C



Soldering Profile for Lead Free Soldering 235-240°C



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