



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 | 68 | μH | see Site 2 |
| Q factor | | Q | | | min. |
| DC-resistance | | DCR typ. | | Ω | typ. |
| DC-resistance | | DCR max. | 0,935 | Ω | max. |
| Self-Res. Freq. | | SRF | | KHz | min. |
| Test-Freq. | | | 1 | KHz | |
| Rated Current | | IDC | 0,30 | A | max. |
| Saturation Current | | I SAT | | A | max. |

| 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 | | | | | | MAGNETIC SHIELDED SMT POWER INDUCTOR | |
|---|-------|------|-------|--------|---------|--|------------|
| -Components must be informed before the stage of design-in. Evaluation checks for safety have to be | | | | | | Part No.: | S27003-680 |
| 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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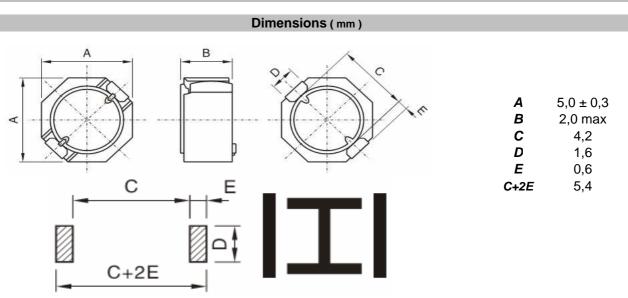
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TECHNICAL INFORMATIONS

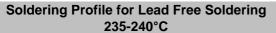


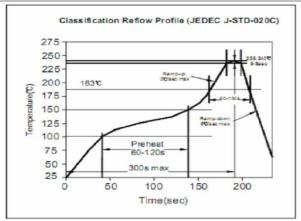
Ordering Information

Serie and Range

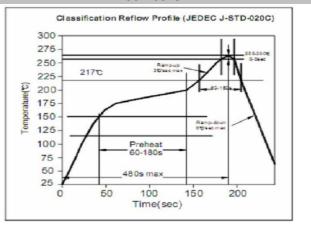
S27003-680

| Tolerance | ROHS | Packing | | |
|----------------|-----------------|----------------|--|--|
| М | R | TR | | |
| | K | | | |
| J = 5% | R = ROHS | BU = Bulk Ware | | |
| K = 10% | N = non ROHS | TR = Tape Reel | | |
| M = 20% | | | | |
| N = 30% | | | | |





Soldering Profile for Lead Free Soldering 255-260°C



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