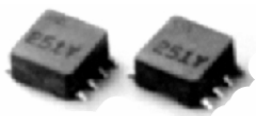

EDCON COMPONENTS
A MEMBER OF EDCON-GROUP

DISCRIPTION

FEATURES

Magnetic Shielded Surface Mount Inductor with High Current Rating

Low Resistance to Keep Power Loss Minimum.

OPTIONS

Tape & Reel is Standard (Qty:600 Pcs)
Bulk Packing Available for smaller quantites
Tolerance: Y=15% ; M=20% is Standard,
Tighter Tolerances Available

APPLICATIONS

Power Line DC-DC Converter
Hard disk, Notebook
Computers and other
Electronic Equipment

PHYSICAL CHARACTERISTICS

Materials :

- Core : Ferrite DR Core & RI Core
- Wire : Enamelled Copper Wire
- Base : LCP E4008
- Terminal : Tinned Copper Plate
- Adhesive: Epoxy Resin

General Specification :

- Storage Temperature : -40°C ~ +125°C
- Operation Temperature : -40°C ~ +105°C
- Rated Current: Base on Temperature & L/L0A=10% max
- Resistance to solder heat : 260°C , 10 sec.

ELECTRICAL SPECIFICATIONS

Properties	Test conditions		Value	Unit	Tol.
Inductance		**L**	8,2	**µH**	**see Site 2**
Q factor		**Q**	23		**min.**
DC-resistance		**DCR typ.**	---	**mΩ**	**typ.**
DC-resistance		**DCR max.**	0,055	**mΩ**	**max.**
Self-Res. Freq.		**SRF**	30	**MHz**	**min.**
Test-Freq.		**L / Q**	1 / 7,96	**KHz / MHz**	
Rated Current		**IDC**	2,1	**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.

SHIELDED SMD POWER INDUCTORS

Part No.: **S37001-8R2**

Customer:

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

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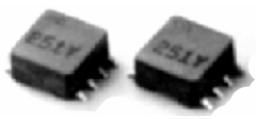

EDCON COMPONENTS
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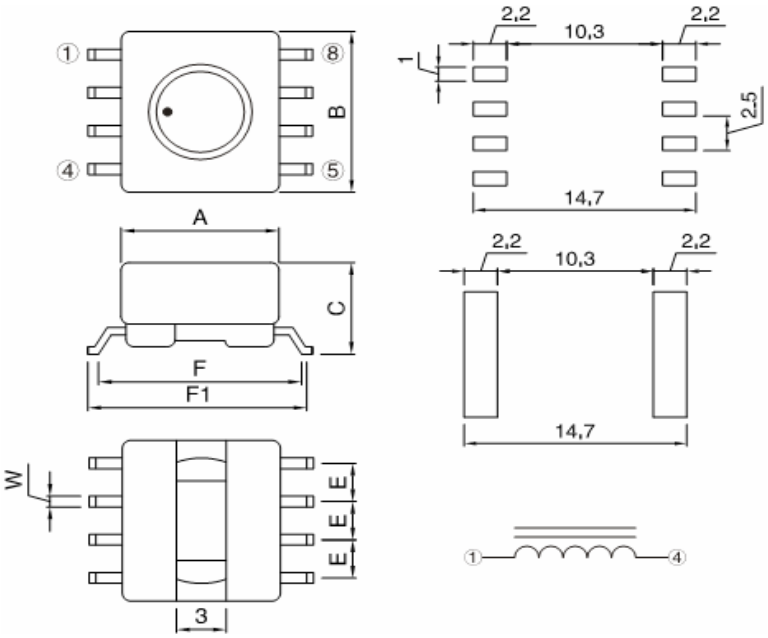
TECHNICAL INFORMATIONS

Dimensions (mm)



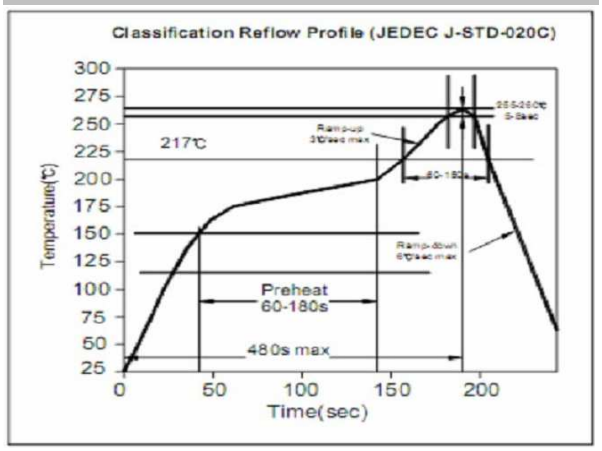
A	9,5 ± 0,3
B	10,5 ± 0,3
C	6,0 ± 0,3
E	2,5 ± 0,3
F	11,0 ± 0,3
F1	12,7 ± 0,8
W	0,7 ± 0,1

Ordering Information

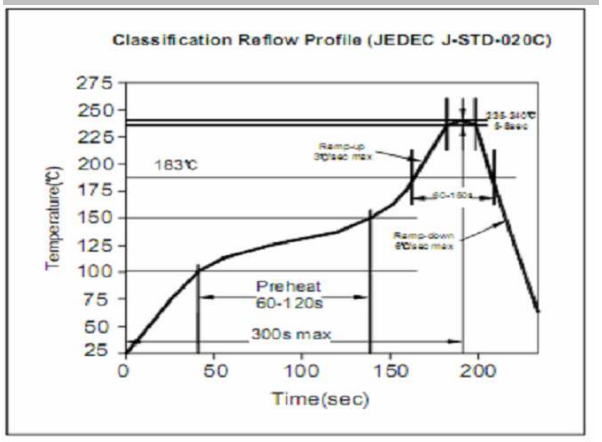
Serie and Range	Tolerance	ROHS	Packing
S37001-8R2	**M**	**R**	**TR**

Y = 15%	**R =** ROHS	**BU =** Bulk Ware
M = 20%	**N =** non ROHS	**TR =** Tape Reel

Soldering Profile for Lead Free Soldering 255-260°C



Soldering Profile for Lead Free Soldering 235-240°C



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SHIELDED SMD POWER INDUCTORS

Part No.: **S37001-8R2**

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