EDCON COMPONENTS
A MEMBER OF EDCON-GROUP

DISCRIPTION

FEATURES

Lowest Height
Shielded Construction

OPTIONS

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

APPLICATIONS

Power Line Filter for DC-DC Converter.
Switching Power Supplier.
Personal Computers and Other handheld
Electronic Equipment.

PHYSICAL CHARACTERISTICS

- Testing Instrument : HP4284A, CH11025, CH3302, CH1320, CH1320S LCR METER/Rdc:CH16502, Agilent33420A Micro Ohmmeter
- Heat Rated Current (Irms) will cause the coil T=40°C without core loss
- Saturation Current (Isat) will cause L0 to drop approximately 20%
- The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
- Operating Temperature & Storage Temperature: -40°C ~ +105°C

ELECTRICAL SPECIFICATIONS

Properties	Test conditions		Value	Unit	Tol.
Inductance		**L**	220	**nH**	**see Site 2**
Q factor		**Q**	---		**min.**
DC-resistance		**DCR typ.**	---	**mΩ**	**typ.**
DC-resistance		**DCR max.**	1,3	**mΩ**	**max.**
Self-Res. Freq.		**SRF**	---	**KHz**	**min.**
Test-Freq.			100	**KHz**	
Rated Current		**Irms**	50	**A**	**max.**
Saturation Current		**I SAT**	38,5	**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.

HIGH CURRENT POWER INDUCTOR

Part No.: **S36004-R22**

Customer:

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

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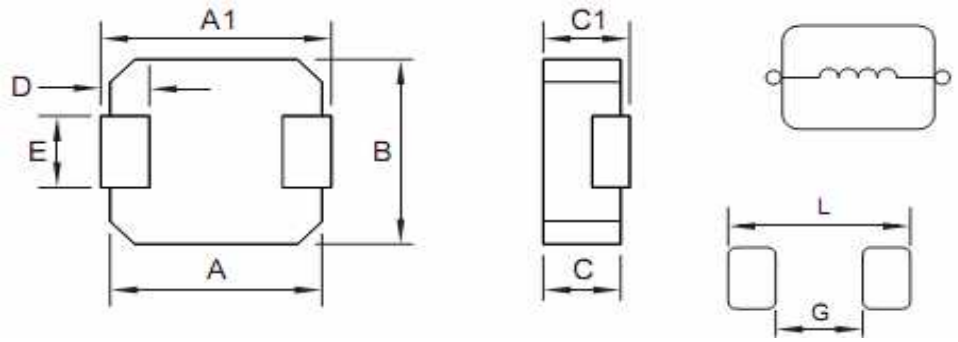
TECHNICAL INFORMATIONS

Dimensions (mm)

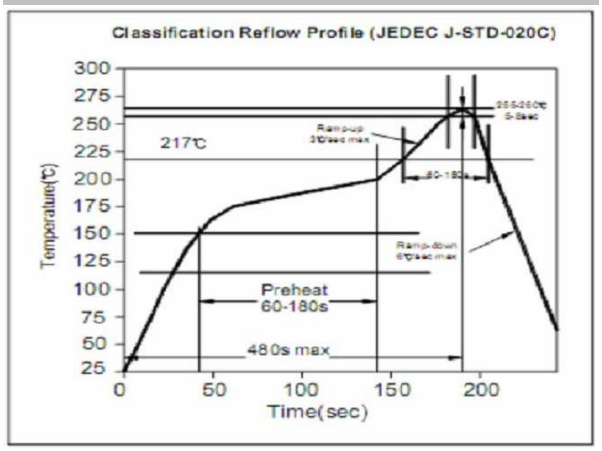


A	12,7 ± 0,3	***C***	3,5 max	***E***	3,0 ± 0,5
A1	13,9 max	***C1***	3,7 max	***L***	15,0
B	13,5 max	***D***	2,5 ± 0,5	***G***	7,0

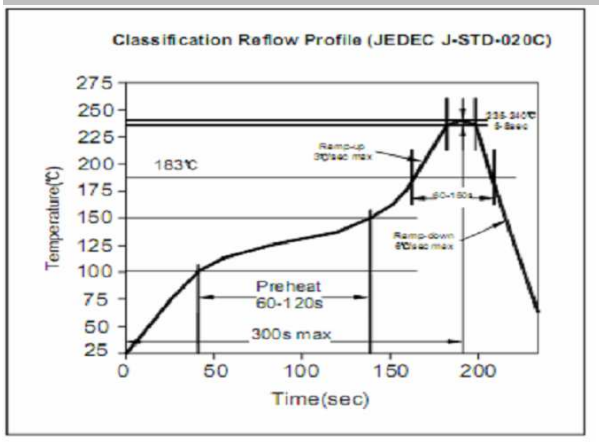
Ordering Information

Serie and Range	Tolerance	ROHS	Packing
S36004-R22	**M**	**R**	**TR**
	M = 20%	**R =** ROHS	**BU =** Bulk Ware
		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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