







DISCRIPTION

FEATURES

Low resistance to keep power loss minimum.

OPTIONS

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

APPLICATIONS

Excellent as DC-DC Converter used in notebooks computers, PDA and mobile handphones, Step-up or step-down converters, flash memory

PHYSICAL CHARACTERISTICS

- Inductance measured by LCR Meter HP 4284A
- DC Resistance measured by Milliohm meter HP4338B
- SRF measured by Network analyzer HP 4294/HP4291
- · SRF is for reference only
- △ Temperature = 40°C max at I rms
- △ L/L0A = 10% typical at I sat

ELECTRICAL SPECIFICATIONS

Properties	Test conditions		Value	Unit	Tol.
Inductance		L	5,6	μH	see Site 2
Q factor		Q			min.
DC-resistance		DCR typ.		Ω	typ.
DC-resistance		DCR max.	0,065	Ω	max.
Self-Res. Freq.		SRF	40	MHz	min.
Test-Freq.				KHz	
Rated Current		Irms	1,95	Α	max.
Saturation Current		Isat	4,10	Α	max.

1. This electronic component is meant to be used in general electronic equipment. Before the incorporation **SMT SHIELD** of this component into any equipment with higher and more reliable requirements such as aviation, **POWER INDUCTORS** 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 Part No.: S45001-5R6 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 26.06.2009 APPD: **FINISH** Vienna 1 from 2 Pong Sheet



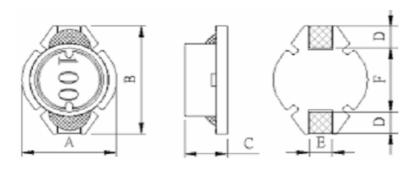






TECHNICAL INFORMATIONS

Dimensions (mm)



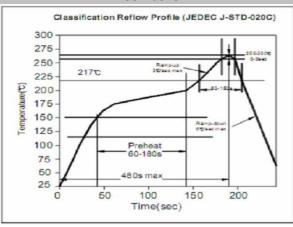
A 8.0 ± 0.2 **C** 5.0 ± 0.3 **E** 2.0 ± 0.2 **B** 10.5 ± 0.2 **D** 2.1 ± 0.2 **F** 6.0 ± 0.3

Ordering Information

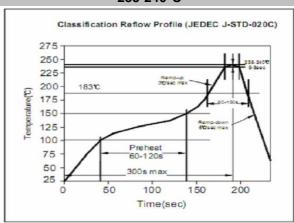
Serie and Range	Tolerance	ROHS	Packing
_			-
S45001-5R6	M	R	TR

K = 10%	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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SMT SHIELD POWER INDUCTORS

Part No.: **\$45001-5R6**

Customer:

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