



## DISCRIPTION

# **FEATURES**

Low profile very effective in space-conscious applications. Low resistance and high energy storage.

# **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 hand-phones. 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 rise = 40°C max at I rms
- △ \_/L0A=10% typical at I sat

### **ELECTRICAL SPECIFICATIONS**

Properties	Test conditions		Value	Unit	Tol.
Inductance		L	680	μH	see Site 2
Q factor		Q			min.
DC-resistance		DCR typ.		Ω	typ.
DC-resistance		DCR max.	2,02	Ω	max.
Self-Res. Freq.		SRF	2,5	MHz	min.
Test-Freq.			100	KHz	
Rated Current		Irms	0,4	Α	max.
Saturation Current		Isat	0,4	Α	max.

<ol> <li>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</li> </ol>						SMT UNSHIELDED POWER INDUCTORS		
-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						Part No.:	S41003-681	
functions.						Customer:		
DRW:	Chang	CHKD	Young	MATL:	Chu Chi	DATE	26.06.2009	
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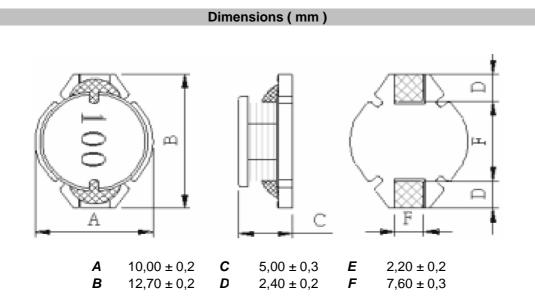
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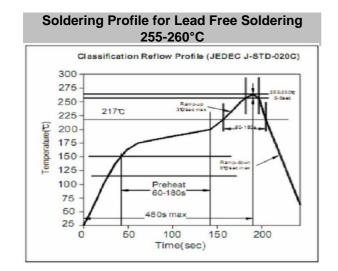
## **TECHNICAL INFORMATIONS**

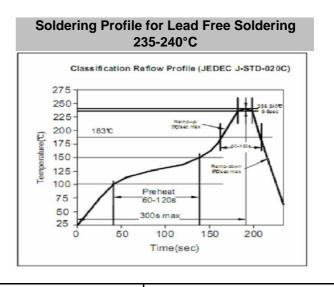


**Ordering Information** 

Serie and Range S41003-681

Tolerance	ROHS	Packing		
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М	R	TR		
<b>K</b> = 10%	<b>R =</b> ROHS	BU = Bulk Ware		
<b>M</b> = 20%	N = non ROHS	<b>TR =</b> Tape Reel		





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