



#### DISCRIPTION

### **FEATURES**

Low profile very effective in spaceconscious applications. Low resistance and high energy storge. Flat top for relisble surface mounting. Robust temperature deflection pervents damage during solder reflow.

## **OPTIONS**

Tape & Reel is Standard Bulk Packing Available for smaller quantites Tolerance: M=20% is Standard

#### **APPLICATIONS**

DC-DC Converter Notebook PDA Mobile Hand-Phone Step-down Converters Flash Memory

#### PHYSICAL CHARACTERISTICS

- Inductance tested at 100 kHz, 0,1 Vrms, 0 Adc at 4284A (HP) LCR meter or equivalent.
- Isat : DC current at which the inductance drops 10% (typ) from its value without current.
- Irms : Average current for 15°C temperature rise from 25°C ambient.
- Operating temperature range -40°C ~ +85°C.
- Electrical specifications at 25°C.

## **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.	1,1	Ω	max.
Self-Res. Freq.		SRF	2,5	Mhz	min.
Test-Freq.				Mhz	
Rated Current		Irms	0,72	mA	max.
Saturation Current		Isat	1,2	mA	typ.

<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 –Components must be informed before the stage of design-in. Evaluation checks for safety have to be particular and an each electronic equipment are accurately and an electronic equipment.</li> </ol>					SMT Ur Power	-		
					Part No.:	S1(	6007-681	
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		11.06.2009
APPD:	Pong			FINISH	Vienna	Sheet		1 from 2

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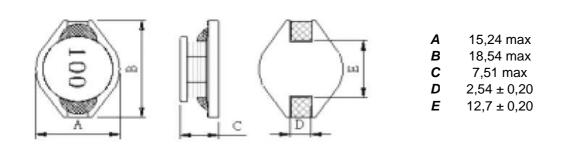
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#### **TECHNICAL INFORMATIONS**

#### Dimensions (mm)



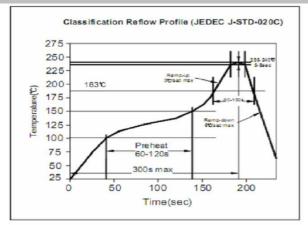
#### **Ordering Information**

Seri	e and	Range

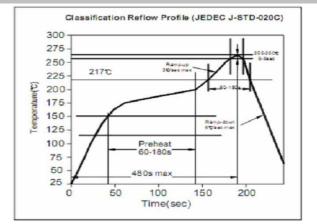
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Tolerance	ROHS	Packing		
М	R	TR		
<b>M</b> = 20%	<b>R =</b> ROHS	BU = Bulk Ware		
	N = non ROHS	<b>TR =</b> Tape Reel		

#### Soldering Profile for Lead Free Soldering 235-240°C



# Soldering Profile for Lead Free Soldering 255-260°C



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-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.:	S16007-681		
functions.					Customer:		
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