

#### EDCON-COMPONENTS



## DISCRIPTION

# **FEATURES**

Low Profile, Low RDC, High current Magnetically shielded structure that ensures the high density mounting configurations

Flat bottem structure ensures, reliable mounting

Provided in embossed carrier tape packaging for use with automatic mounting machines

## **OPTIONS**

Tape & Reel is Standard (2000PCS) Bulk Packing Available for smaller quantites Tolerance: N=30% / M=20% / K=10% Standard Tol.= 30%

## **APPLICATIONS**

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

## PHYSICAL CHARACTERISTICS

- Inductance tested at 100 KHz, 1,0 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 -55°C ~ +125°C.
- Ambient temperature range: -40°c ~ +75°C
- Storage temperature: (on tape &reel) -20°C to +40°C; 75% RH max.
- Electrical specifications at 25°C.

## **ELECTRICAL SPECIFICATIONS**

Properties	Test conditions		Value	Unit	Tol.
Inductance		L	1,5	μH	look Order
Marking on item			1R5		
DC-resistance		DCR typ.	0,026	Ω	typ.
Test-Freq.			100KHZ, 1V	KHz	
Rated Current		Isat	4200	mA	typ.
Rated Current		Isat	3780	mA	max.
Saturation Current		Irms	3500	mA	typ.
Saturation Current		Irms	3150	mA	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 –Components must be informed before the stage of design-in. Evaluation checks for safety have to be are formed on each other information equipment are indicated by the provide the provi</li></ol>					SMT Shielded Power Inductor			
					Part No.:	<b>S6</b> 7	7007-1R5	
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		18.03.2016
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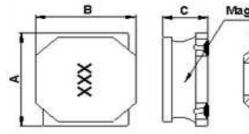


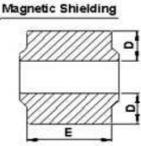
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# **TECHNICAL INFORMATIONS**

#### Dimensions (mm)





Α	5,0 ±0,2mm
В	5,0 ±0,2mm
С	2,0 ±0,2mm
D	1,8 typ. mm
E	4,0 typ. mm

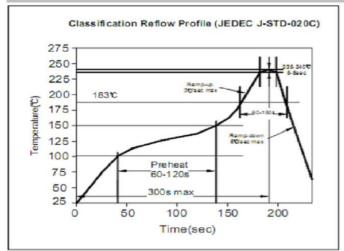
#### **Ordering Information**

Serie and Range

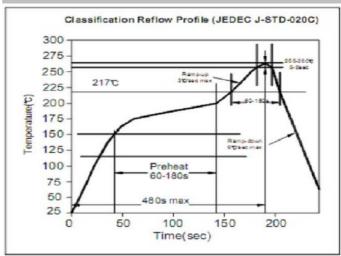
S67007-1R5

Tolerance	ROHS	Packing		
N	R	TR		
<b>N</b> = 30%	<b>R</b> = ROHS	BU = Bulk Ware		
<b>M</b> = 20%	<b>N =</b> Non ROHS	TR = Tape Reel		
<b>K</b> = 10%				

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



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



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