

#### 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 (1000PCS) 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	33	μH	look Order
Marking on item			330		
DC-resistance			0,110	Ω	max.
Test-Freq.			100KHZ, 1V	KHz	
Rated Current		Isat	2300	mA	typ.
Rated Current		Isat	2070	mA	max.
Saturation Current		Irms	2000	mA	typ.
Saturation Current		Irms	1800	mA	max.

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					SMT Shielded Power Inductor			
					Part No.:	<b>S6</b> 7	7012-33R	
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
APPD:	Pong			FINISH	Vienna	Sheet		1 from 2

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email: info@edcon-components.com

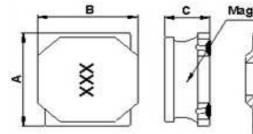


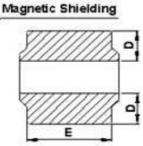
#### **EDCON-COMPONENTS**



## **TECHNICAL INFORMATIONS**

#### Dimensions (mm)





Α	8,0 ±0,2mm
В	8,0 ±0,2mm
С	4,0 ±0,2mm
D	2,3 typ. mm
Ε	6,3 typ. mm

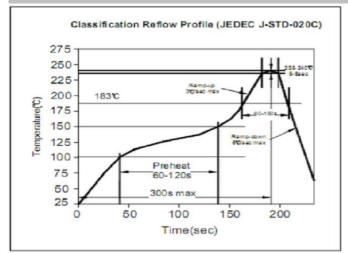
#### **Ordering Information**

Serie and Range

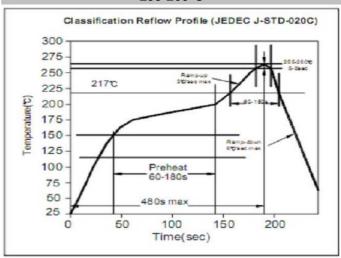
S67012-33R

Tolerance	ROHS	Packing	
N R		TR	
<b>N</b> = 30%	<b>R =</b> ROHS	BU = Bulk Ware	
<b>M</b> = 20%	N = Non ROHS	TR = Tape Reel	1000PCS
<b>K</b> = 10%			

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



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



<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 Shield	ed Power Inductor	
-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.:	S67012-33R	
functions.					Customer:		
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