



## DISCRIPTION

# **FEATURES**

Excellent solderability and high heat resistance. Excellent terminal strength construction. Packed in embossed carrier tape and can be used by automatic mountic machine.

# **OPTIONS**

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

### **APPLICATIONS**

VCR OA equipment LCD televison set notebook DC to DC converters DC to AC inverters

# PHYSICAL CHARACTERISTICS

- Inductance is measured by LCR-meter 4284A/4286A (HP) or equivalent
- DC Resistance is measured by HP4338B Milliohms Meter or equivalent
- Rated current is measured by LCR-meter 3260B (WK) & DC Bias 3265B(WK) at 1.0KHz/1.0V
- Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).
- Operating temperature -55°C ~ +125°C
- All test data is referenced to 25°C ambient

## **ELECTRICAL SPECIFICATIONS**

Properties	Test conditions		Value	Unit	Tol.
Inductance		L	3,3	μH	see Site 2
Q factor		Q			min.
DC-resistance		DCR typ.		Ω	typ.
DC-resistance		DCR max.	0,03	Ω	max.
Self-Res. Freq.		SRF		MHz	min.
Test-Freq.			7,96	MHz	
Rated Current		IDC	7,36	A	max.
Saturation Current		Isat		Α	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</li> </ol>						HIGH CURRENT SMT 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.:	S18	3021-3R3
functions.					Customer:			
DRW:	Chang	CHKD	Young	MATL:	Chu Chi	DATE		15.06.2009
APPD:	Pong			FINISH	Vienna	Sheet		1 from 2

Copyright by EDCON-COMPONENTS

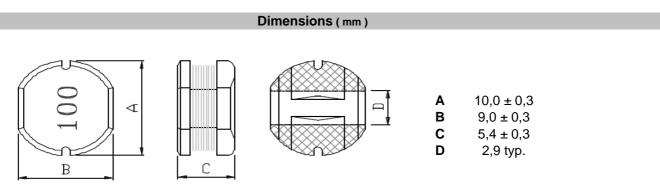
www.edcon-components.com

email: info@edcon-components.com





### **TECHNICAL INFORMATIONS**



### **Ordering Information**

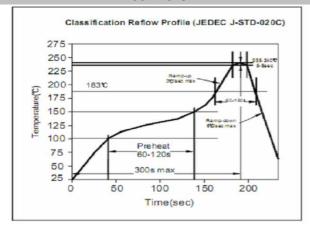
I

9	Serie	and	Range	

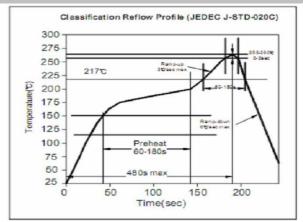
S18021-3R3

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

#### 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>						HIGH CURRENT SMT 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.: <b>\$18021-3R3</b>			
functions.					Customer:			
DRW:	Chang	CHKD	Young	MATL:	Chu Chi	DATE	15.06.2009	
APPD:	Pong			FINISH	Vienna	Sheet	2 from 2	
Copyright by EDCON-COMPONENTS								

www.edcon-components.com

email: info@edcon-components.com