







## DISCRIPTION

#### **FEATURES**

Larg Current
Flat-top for Pick & Place
Low cost

#### **OPTIONS**

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

## **APPLICATIONS**

Modems PDP, LCD TVs convertor
Mobile Radios DC/DC convertor
Cordless Telephones Car radios
Global Positioning Systems
Wireless Communications Equipment
Network Systems
Computer Peripheral Equipment

## PHYSICAL CHARACTERISTICS

Test Frequenz with HP4284A and HP4285A ( equivalent acceptable )
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DCR : GW813 or QuadTech 1880 m $\Omega$ 

• IDC Max is decreased 10% against its initial value

Operating Temperature : -40°C ~ +85°C
 Storage Temperature : -40°C ~ +105°C

Soldering Methods: Vapor Phase, Infrared Reflow
 Resistance to soldering heat: 260°C for 10 seconds
 Solvent resistance: Conforms to MIL-STD-202E

## **ELECTRICAL SPECIFICATIONS**

Properties	Test conditions		Value	Unit	Tol.
Inductance		L	10	μH	see Site 2
Q factor		Q			min.
DC-resistance		DCR typ.		Ω	typ.
DC-resistance		DCR max.	0,50	Ω	max.
Self-Res. Freq.		SRF		Mhz	min.
Test-Freq.			2,52	Mhz	
Rated Current		IDC	0,74	Α	max.
Saturation Current		Isat		Α	typ.

1. 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 performed on each electronic components used in electrical circuits that require high safety and reliability functions.

HIGH CURRENT SMT Power INDUCTOR

Part No.: **\$18001-100** 

Customer:

 DRW:
 Chang
 CHKD
 Young
 MATL:
 Chu Chi
 DATE
 12.06.2009

 APPD:
 Pong
 FINISH
 Vienna
 Sheet
 1 from 2



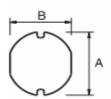




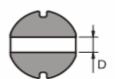


## **TECHNICAL INFORMATIONS**

#### Dimensions ( mm )







**A**  $3.0 \pm 0.3$  **B**  $2.8 \pm 0.3$ **C**  $2.5 \pm 0.3$ 

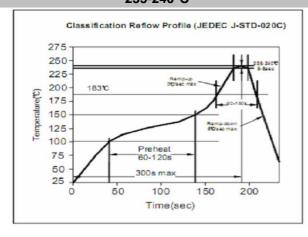
8,0

#### **Ordering Information**

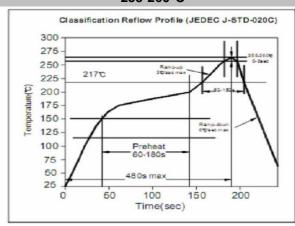
Serie and Range
S18001-100

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

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



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



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