







#### 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	1,4	μH	see Site 2
Q factor		Q			min.
DC-resistance		DCR typ.		Ω	typ.
DC-resistance		DCR max.	0,057	Ω	max.
Self-Res. Freq.		SRF		Mhz	min.
Test-Freq.			7,95	Mhz	
Rated Current		IDC	2,52	Α	max.
Saturation Current		Isat		Α	typ.

HIGH CURRENT 1. This electronic component is meant to be used in general electronic equipment. Before the incorporation SMT Power 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, **INDUCTOR** 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 Part No .: S18002-1R4 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 12.06.2009 APPD: **FINISH** Vienna 1 from 2 Pong Sheet



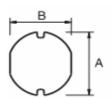




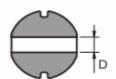


#### **TECHNICAL INFORMATIONS**

#### Dimensions ( mm )







4,5  $\pm$  0,3 4,0  $\pm$  0,3

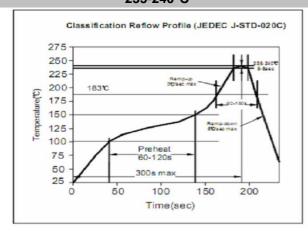
C  $3,2 \pm 0,3$ D 1,3

#### **Ordering Information**

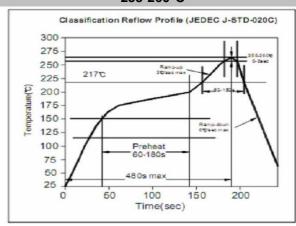
Serie and Range				
S18002-1R4				

Tolerance	ROHS	Packing		
M R		TR		
<b>M</b> = 20%	R = ROHS	<b>BU</b> = Bulk Ware		
	N - non ROHS	TR - Tana Raal		

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



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



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.: **\$18002-1R4** 

Customer:

DRW: Chang CHKD Young MATL: Chu Chi DATE 12.06.2009
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