



# DISCRIPTION

# FEATURES

Larg Current Flat-top for Pick & Place Low cost

# **OPTIONS**

Tape & Reel is Standard Bulk Packing Available for smaller quantites Tolerance: K=10% 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 ) 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	82	μH	see Site 2
Q factor		Q			min.
DC-resistance		DCR typ.		Ω	typ.
DC-resistance		DCR max.	0,95	Ω	max.
Self-Res. Freq.		SRF		Mhz	min.
Test-Freq.			2,52	Mhz	
Rated Current		IDC	0,50	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.:	S18003-820
functions.					Customer:		
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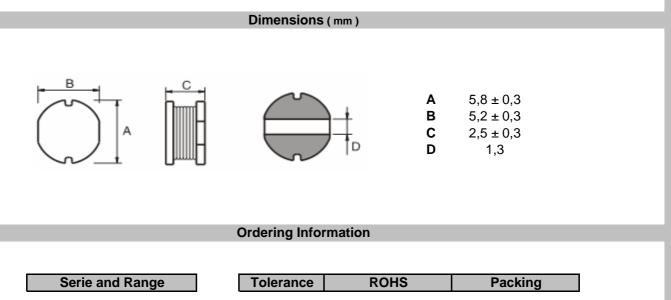
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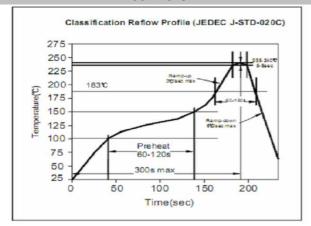
#### **TECHNICAL INFORMATIONS**



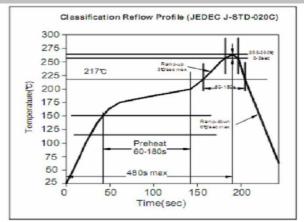
K	R	TR	
<b>K =</b> 10%	<b>R</b> = ROHS	BU = Bulk Ware	
	N = non ROHS	TR = Tape Reel	

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

S18003-820



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



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