



#### DISCRIPTION

## **FEATURES**

Magnetically Shielded Structure Low DC Resistance Excellent Mechanical Strength High Reliability and Excellent Solderability Low and square Profile High heat resistance

# **OPTIONS**

Tape & Reel is Standard ( Qty : 2500 pcs ) Bulk Packing Available for smaller quantites Tolerance: J=5% ; K=10% is Standard, Tighter Tolerances Available

#### **APPLICATIONS**

VCRs, Notebook, DC/DC Converters Video Digital Cameras Communication System Automotive System Power supplier LCD PDP Televisons Hard Disk Drives, Topset, XDSL Computer Peripheral Equipment

## **PHYSICAL CHARACTERISTICS**

- Inductor Testing : HP4284A (Equivalent acceptable)
   DCR : QuadTech 1880 mΩ Q-HP4342A SRF- HP4191A
   IDCMax current is decreased 10% against its initial value
- Operating temperature : -40°C ~ +105°C
- Storage temperature : -40°C ~ +105°C
- Solder 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	180	μH	see Site 2
Q factor		Q			min.
DC-resistance		DCR typ.		Ω	typ.
DC-resistance		DCR max.	1,19	Ω	max.
Self-Res. Freq.		SRF		KHz	min.
Test-Freq.			1	KHz	
Rated Current		IDC	0,24	Α	max.
Saturation Current		I SAT		Α	max.

<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>						MAGNETIC SHIELDED SMT POWER INDUCTOR	
-Components must be informed before the stage of design-in. Evaluation checks for safety have to be						Part No.:	S27004-181
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	19.06.2009
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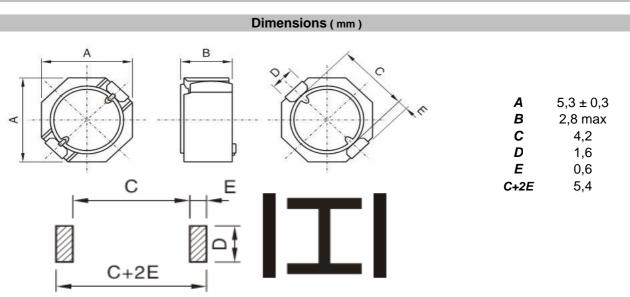
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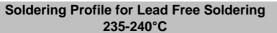
#### **TECHNICAL INFORMATIONS**

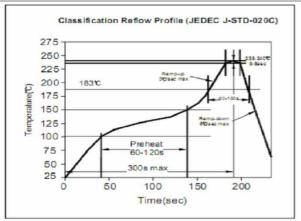


#### **Ordering Information**

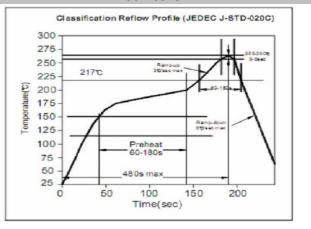
Serie and Range S27004-181

Tolerance	ROHS	Packing		
M	R	TR		
<b>J</b> = 5%	<b>R =</b> ROHS	BU = Bulk Ware		
<b>K</b> = 10%	N = non ROHS	TR = Tape Reel		
<b>M</b> = 20%				
<b>N</b> = 30%				





Soldering Profile for Lead Free Soldering 255-260°C



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