



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	100	μH	see Site 2
Q factor		Q			min.
DC-resistance		DCR typ.		Ω	typ.
DC-resistance		DCR max.	1,50	Ω	max.
Self-Res. Freq.		SRF		KHz	min.
Test-Freq.			1	KHz	
Rated Current		IDC	0,23	Α	max.
Saturation Current		I SAT		Α	max.

 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 						SHIELDED SMT	
-Components must be informed before the stage of design-in. Evaluation checks for safety have to be					Part No.:	S27003-101	
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
APPD:	Pong			FINISH	Vienna	Sheet	1 from 2

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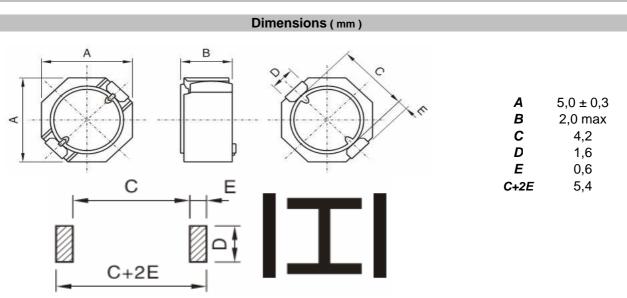
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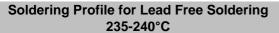
TECHNICAL INFORMATIONS

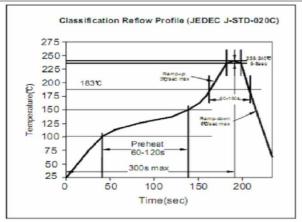


Ordering Information

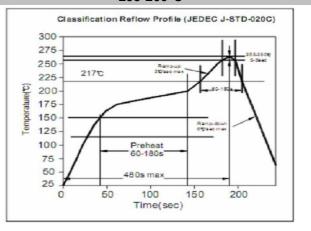
Serie and Range S27003-101

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





Soldering Profile for Lead Free Soldering 255-260°C



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-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.:	S27003-101	
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