







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	15	μΗ	see Site 2
Q factor		Q			min.
DC-resistance		DCR typ.		Ω	typ.
DC-resistance		DCR max.	0,210	Ω	max.
Self-Res. Freq.		SRF		KHz	min.
Test-Freq.			1	KHz	
Rated Current		IDC	0,63	Α	max.
Saturation Current		ISAT		Α	max.

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 Part No.: performed on each electronic components used in electrical circuits that require high safety and reliability functions. Customer:

MAGNETIC SHIELDED SMT **POWER INDUCTOR**

S27003-150

DRW: Chang CHKD Young MATL: Chu Chi DATE 19.06.2009 APPD: **FINISH** Vienna 1 from 2 Pong Sheet



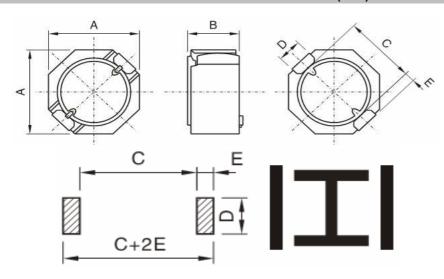






TECHNICAL INFORMATIONS

Dimensions (mm)



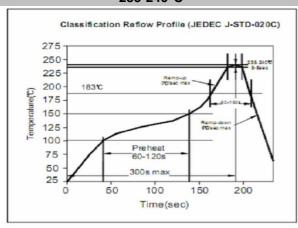
Ordering Information

Serie and Range				
S27003-150				

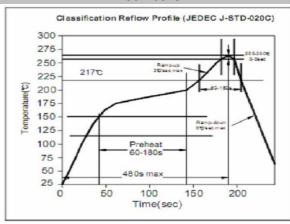
Tolerance	ROHS	Packing	
M	R	TR	
J = 5%	R = ROHS	BU = Bulk Ware	
K - 10%	N - non POHS	TR - Tana Paal	

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 235-240°C



Soldering Profile for Lead Free Soldering 255-260°C



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