







DISCRIPTION

FEATURES

To be high saturation for surface mounting.

Excellent solderability and high heat resistance.

Excellent terminal strength construction.

Packed in embossed carrier tape and can be used by automatic mounting.

OPTIONS

Tape & Reel is Standard
Bulk Packing Available for smaller quantites
Tolerance: M=20% is Standard

APPLICATIONS

VTR
OA equipment
LCD television sets
notebook PC
portable communication equipments
DC / DC converters

PHYSICAL CHARACTERISTICS

- Inductance measured by LCR Meter HP4284A / HP4286A
- DC Resistance measured by Milliohm meter HP4338B
- Rated DC Current: This indicates the value of when the inductance is 20% lower than its initial value at DC superimopsition or DC current when at t=40°C, whichever is lower. (Ta=20°C), Test Condition: 1.0KHz/1.0V at WK3260B LCR Meter and WK3265B DC bias.

ELECTRICAL SPECIFICATIONS

Properties	Test conditions		Value	Unit	Tol.
Inductance		L	12	μH	see Site 2
Q factor		Q			min.
DC-resistance		DCR typ.		Ω	typ.
DC-resistance		DCR max.	0,16	Ω	max.
Self-Res. Freq.		SRF	2,520	Mhz	min.
Test-Freq.				Mhz	
Rated Current		IDC	0,94	Α	max.
Saturation Current		Isat		Α	typ.

1. This electronic component is meant to be used in general electronic equipment. Before the incorporation SMT Unshielded of this component into any equipment with higher and more reliable requirements such as aviation, **Power Inductor** 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.: S19006-120 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 17.06.2009 APPD: **FINISH** Vienna 1 from 2 Pong Sheet



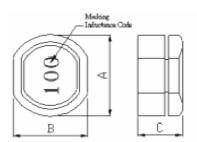


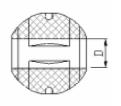




TECHNICAL INFORMATIONS

Dimensions (mm)





A $6,20 \pm 0,30$ **B** $5,60 \pm 0,30$ **C** 3,50 max. **D** 1,50 typ.

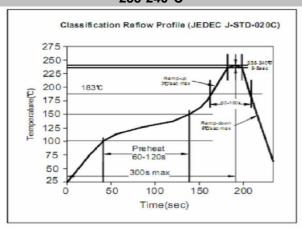
Ordering Information

Serie and Range	
S19006-120	

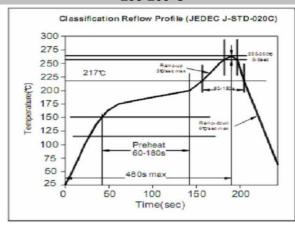
Tolerance	ROHS	Packing		
M	D	TR		
IVI	ĸ	IK		
K = 10%	R = ROHS	BU = Bulk Ware		

K = 10% R = ROHS BU = Bulk Ware M = 20% N = non ROHS TR = Tape Reel

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

 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.

SMT Unshielded Power Inductor

Part No.: **\$19006-120**

Customer:

DRW:	Chang	CHKD	Young	MATL:	Chu Chi	DATE	17.06.2009
APPD:	Pong			FINISH	Vienna	Sheet	2 from 2