



### DISCRIPTION

## FEATURES

Larg Current Flat-top for Pick & Place Low cost **OPTIONS** 

Tape & Reel is Standard Bulk Packing Available for smaller quantites Tolerance: M=20% 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	12	μH	see Site 2
Q factor		Q			min.
DC-resistance		DCR typ.		Ω	typ.
DC-resistance		DCR max.	0,06	Ω	max.
Self-Res. Freq.		SRF		Mhz	min.
Test-Freq.			2,52	Mhz	
Rated Current		IDC	2,13	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					Part No.:	S18007-120		
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		12.06.2009
APPD:	Pong			FINISH	Vienna	Sheet		1 from 2

Copyright by EDCON-COMPONENTS

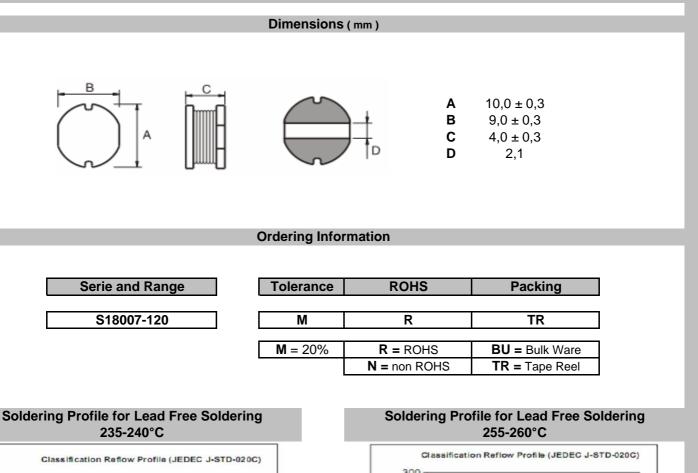
www.edcon-components.com

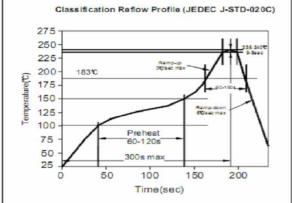
email: info@edcon-components.com

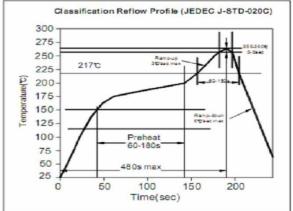




#### **TECHNICAL INFORMATIONS**







aerospace, subr public informatio	nent into any equi narine, nuclear co n network, etc. or i	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.:	S18007-120
functions.					Customer:		
DRW:	Chang	CHKD	Young	MATL:	Chu Chi	DATE	12.06.2009
APPD:	Pong			FINISH	Vienna	Sheet	2 from 2
Copyright by EDCON-COMPONENTS							

www.edcon-components.com

email: info@edcon-components.com