



# DISCRIPTION

### **FEATURES**

### **OPTIONS**

Low resistance to keep power loss minimum.

Tape & Reel is Standard Tolerance: M=20% is Standard, Tighter Tolerances Available

# **APPLICATIONS**

Excellent for power line DC-DC conversion applications used in hard disk, notebook computers and other electronic equipment.

# PHYSICAL CHARACTERISTICS

- Inductance is measured by LCR-meter 4284A/4286A (HP) or equivalent.
- DC Resistance is measured by HP4338B Milliohms Meter or equivalent.
- Rated current is measured by LCR-meter 3260B (WK) & DC Bias 3265B(WK).
- Maximum allowable DC current is that which causes a 25% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)
- Operating temperature: -55°C ~ +125°C

# ELECTRICAL SPECIFICATIONS

Properties	Test conditions		Value	Unit	Tol.
Inductance		L	12	μH	see Site 2
Q factor		Q			min.
DC-resistance		DCR typ.		mΩ	typ.
DC-resistance		DCR max.	0,038	mΩ	max.
Self-Res. Freq.		SRF		MHz	min.
Test-Freq.			1	KHz	
Rated Current		IDC	4	Α	max.
Saturation Current		Isat		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>				SMT SHIELD POWER INDUCTORS				
-Components must be informed before the stage of design-in. Evaluation checks for safety have to be					Part No.:	S4400	)5-120	
performed on each electronic components used in electrical circuits that require high safety and reliability functions.						Customer:		
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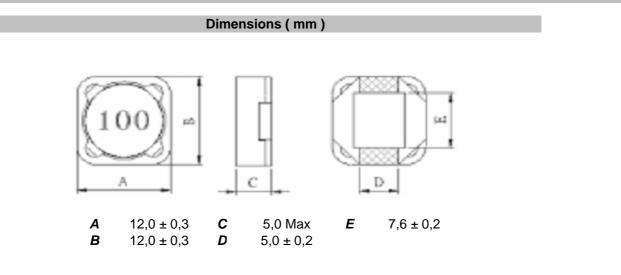
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email: info@edcon-components.com





# **TECHNICAL INFORMATIONS**

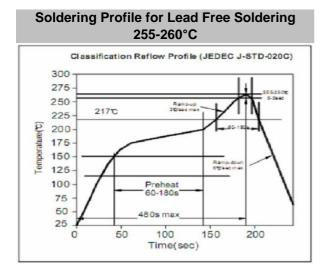


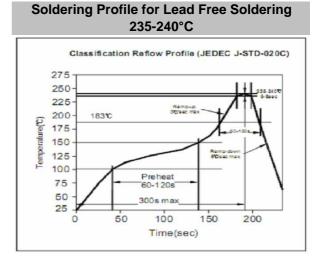
**Ordering Information** 

Serie	and	Range

S44005-120

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





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