



# DISCRIPTION

# **FEATURES**

## **OPTIONS**

Low resistance to keep power loss minimum.

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

### **APPLICATIONS**

Excellent as DC-DC Converter used in notebooks computers, PDA and mobile handphones, Step-up or step-down converters, flash memory

### **PHYSICAL CHARACTERISTICS**

- Inductance measured by LCR Meter HP 4284A
- DC Resistance measured by Milliohm meter HP4338B
- SRF measured by Network analyzer HP 4294/HP4291
- SRF is for reference only
- A Temperature = 40°C max at I rms
- <u>A</u> L/L0A = 10% typical at I sat

# ELECTRICAL SPECIFICATIONS

Properties	Test conditions		Value	Unit	Tol.
Inductance		L	6,8	μH	see Site 2
Q factor		Q			min.
DC-resistance		DCR typ.		Ω	typ.
DC-resistance		DCR max.	0,055	Ω	max.
Self-Res. Freq.		SRF	30	MHz	min.
Test-Freq.				KHz	
Rated Current		Irms	2,2	Α	max.
Saturation Current		Isat	2,8	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>					Sivil	SHIELD NDUCTORS	
-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.:	S45003-6R8	
functions.					Customer:		
DRW:	Chang	CHKD	Young	MATL:	Chu Chi	DATE	26.06.2009
APPD:	Pong			FINISH	Vienna	Sheet	1 from 2

Copyright by EDCON-COMPONENTS

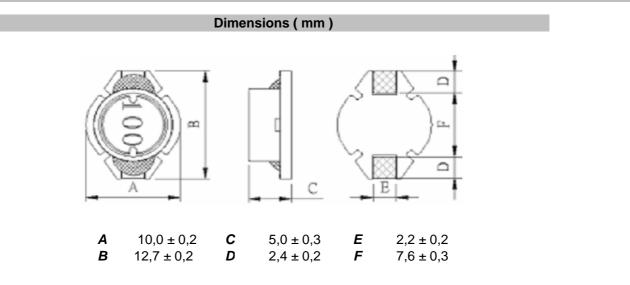
www.edcon-components.com

email: info@edcon-components.com





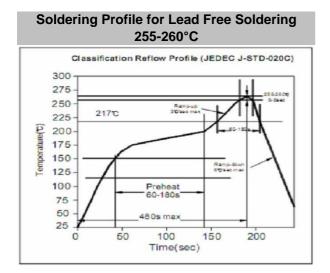
### **TECHNICAL INFORMATIONS**

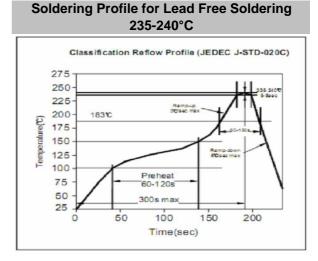


#### **Ordering Information**

Ser	rie and Range	
U,	645003-6R8	

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		





<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 performed on each electronic components used in electrical circuits that require high safety and reliability				Part No.:	S45003-6R	8	
functions.					Customer:			
DRW:	Chang	CHKD	Young	MATL:	Chu Chi	DATE	26.06.2	009
APPD:	Pong			FINISH	Vienna	Sheet	2 from	۱2

www.edcon-components.com

Copyright by EDCON-COMPONENTS

email: info@edcon-components.com