

EDCON-COMPONENTS



DISCRIPTION

FEATURES

Low Profile, Low RDC, High current Magnetically shielded structure that ensures the high density mounting configurations

Flat bottem structure ensures, reliable mounting

Provided in embossed carrier tape packaging for use with automatic mounting machines

OPTIONS

Tape & Reel is Standard (2000PCS) Bulk Packing Available for smaller quantites Tolerance: N=30% / M=20% / K=10% Standard Tol.= 30%

APPLICATIONS

DC-DC Converter DSC PDA Mobile Hand-Phone Step-down Converters Flash Memory

PHYSICAL CHARACTERISTICS

- Inductance tested at 100 KHz, 1,0 Vrms, 0 Adc at 4284A (HP) LCR meter or equivalent.
- Isat : DC current at which the inductance drops 10% (typ) from its value without current.
- Irms : Average current for 15°C temperature rise from 25°C ambient.
- Operating temperature range -55°C ~ +125°C.
- Ambient temperature range: -40°c ~ +75°C
- Storage temperature: (on tape &reel) -20°C to +40°C; 75% RH max.
- Electrical specifications at 25°C.

ELECTRICAL SPECIFICATIONS

Properties	Test conditions		Value	Unit	Tol.
Inductance		L	6,8	μH	look Order
Marking on item			6R8		
DC-resistance			0,085	Ω	max.
Test-Freq.			100KHZ, 1V	KHz	
Rated Current		Isat		mA	typ.
Rated Current		Isat	2000	mA	max.
Saturation Current		Irms		mA	typ.
Saturation Current		Irms	1800	mA	max.

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. Part No.: S67009-6R8 DRW: Chang CHKD Young MATL: Chu Chi DATE 18.03.2016 APPD: Pong FINISH Vienna Sheet 1 from 2						Power Inductor			
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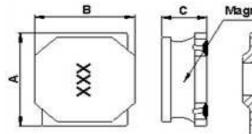


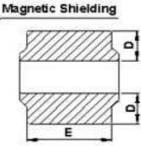
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TECHNICAL INFORMATIONS

Dimensions (mm)





Α	6,0 ±0,2mm
В	6,0 ±0,2mm
С	2,0 ±0,2mm
D	1,6 typ. mm
E	5,7 typ. mm

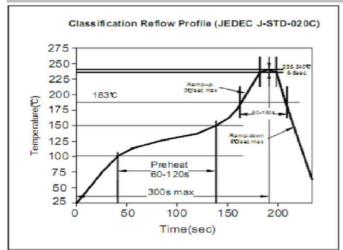
Ordering Information

Serie and Range

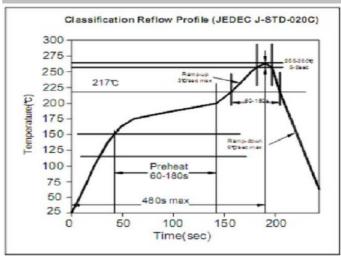
S67009-6R8

Tolerance	ROHS	Packing		
N	R	TR		
		·		
N = 30%	R = ROHS	BU = Bulk Ware		
M = 20%	N = Non ROHS	TR = Tape Reel		
K = 10%				

Soldering Profile for Lead Free Soldering 235-240°C



Soldering Profile for Lead Free Soldering 255-260°C



 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 					SMT Shielded Power Inductor		
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