



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 (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 10% 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
- All test data is referenced to 25°C ambient

ELECTRICAL SPECIFICATIONS

Properties	Test conditions		Value	Unit	Tol.
Inductance		L	1,8	μH	see Site 2
Q factor		Q			min.
DC-resistance		DCR typ.		Ω	typ.
DC-resistance		DCR max.	0,030	Ω	max.
Self-Res. Freq.		SRF		MHz	min.
Test-Freq.			100	KHz	
Rated Current		IDC	2,85	Α	max.
Saturation Current		Isat		Α	max.

1. This electronic of this compo aerospace, subn public information	SMT UNSHIELDED POWER INDUCTORS							
-Components	Part No.:	S46002-1R8						
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		26.06.2009
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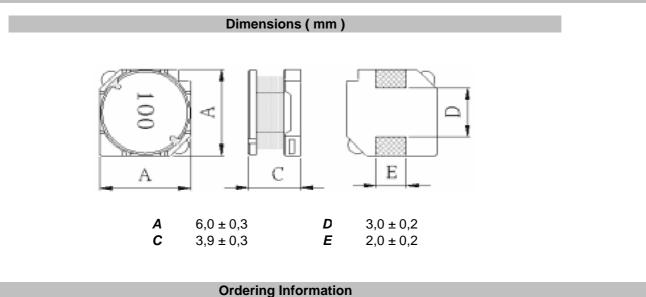
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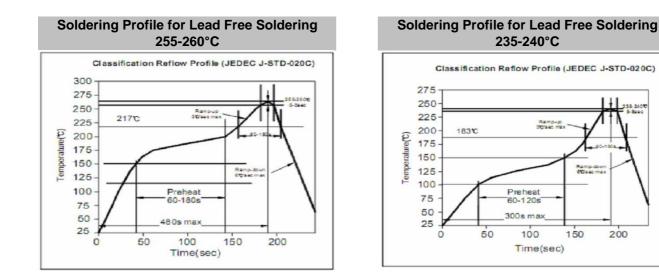




TECHNICAL INFORMATIONS



Serie and Range ROHS Packing Tolerance S46002-1R8 Μ R TR BU = Bulk Ware **K** = 10% R = ROHS **M** = 20% N = non ROHS TR = Tape Reel



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 INDUCTORS 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.: S46002-1R8 performed on each electronic components used in electrical circuits that require high safety and reliability functions. Customer: DRW: CHKD MATL: Chu Chi DATE 26.06.2009 Chang Young APPD: Pong FINISH Vienna Sheet 2 from 2

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