



DISCRIPTION

FEATURES

Excellent solderability and high heat resistance. Excellent terminal stregth construction. Packed in embossed carrier tape and can be used by automatic mountic machine.

OPTIONS

Tape & Reel is Standard Bulk Packing Available for smaller quantites Tolerance: M=20% is Standard

APPLICATIONS

VCR OA equipment LCD televison set notebook DC to DC converters DC to AC inverters

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) at 1.0KHz/1.0V
- 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	5,6	μH	see Site 2
Q factor		Q			min.
DC-resistance		DCR typ.		Ω	typ.
DC-resistance		DCR max.	0,23	Ω	max.
Self-Res. Freq.		SRF		Mhz	min.
Test-Freq.			7,96	Mhz	
Rated Current		IDC	0,45	A	max.
Saturation Current		Isat		A	typ.

 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 Power	
-Components must be informed before the stage of design-in. Evaluation checks for safety have to be						Part No.:	S18013-5R6
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	15.06.2009
APPD:	Pong			FINISH	Vienna	Sheet	1 from 2

Copyright by EDCON-COMPONENTS

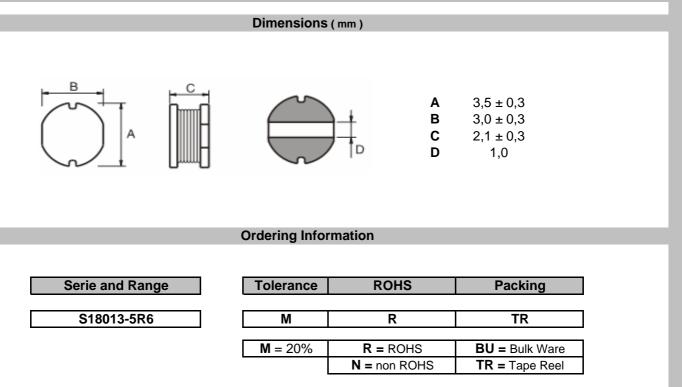
www.edcon-components.com

email: info@edcon-components.com

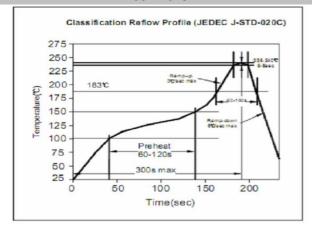




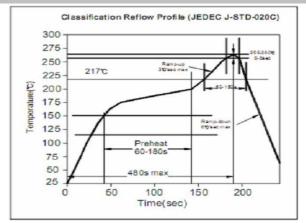
TECHNICAL INFORMATIONS



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 						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.:	S18013-5R6
functions.					Customer:		
DRW:	Chang	CHKD	Young	MATL:	Chu Chi	DATE	15.06.2009
APPD:	Pong			FINISH	Vienna	Sheet	2 from 2
Copyright by EDCON-COMPONENTS							

www.edcon-components.com

email: info@edcon-components.com