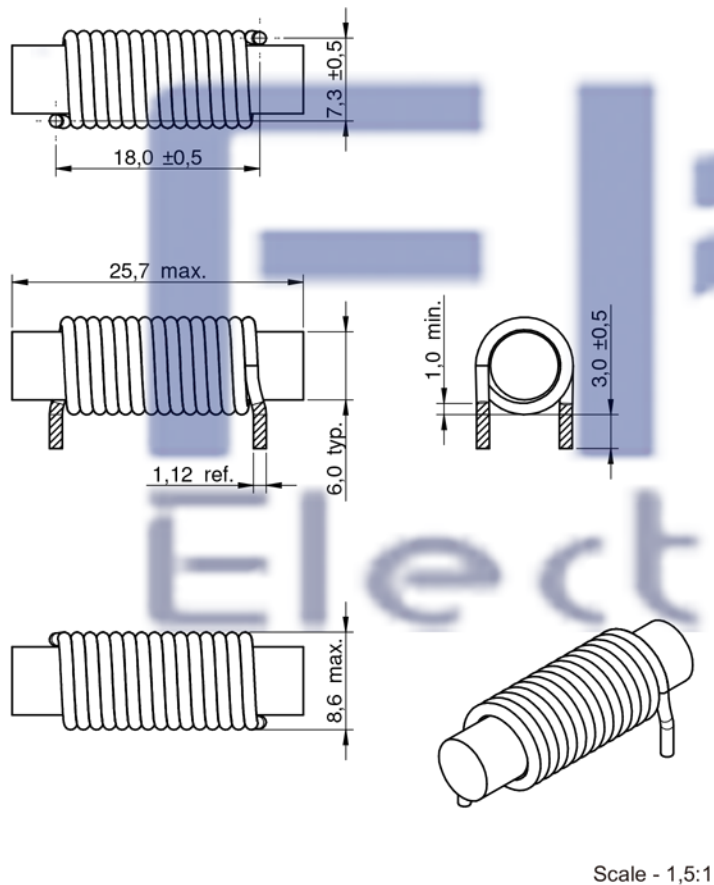
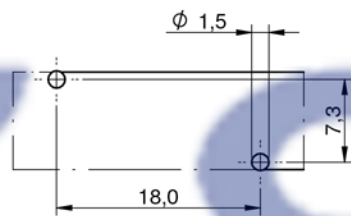


Dimensions: [mm]



Recommended Hole Pattern: [mm]



Schematic:



Electrical Properties:

Properties		Test conditions	Value	Unit	Tol.
Inductance	L	0.25 V/ 100 kHz	6	μH	$\pm 25\%$
Rated Current	I_R	$\Delta T = 40 \text{ K}$	10	A	max.
Saturation Current	I_{SAT}	$ \Delta L/L < 10 \%$	19	A	typ.
DC Resistance	R_{DC}	@ 20 °C	6.5	m Ω	$\pm 20\%$
Self Resonant Frequency	f_{res}		80	MHz	

Certification:

RoHS Approval	Compliant [2011/65/EU&2015/863]
REACH Approval	Conform or declared [(EC)1907/2006]

General Information:

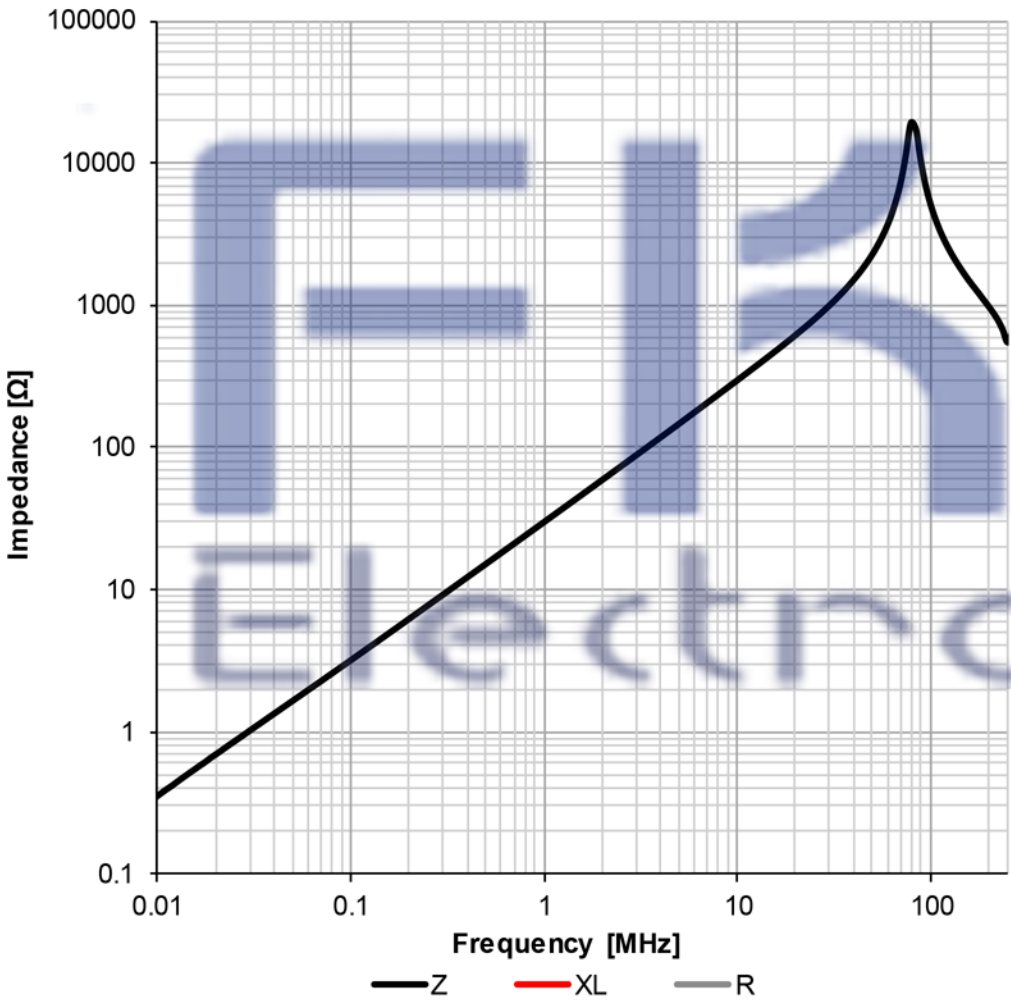
It is recommended that the temperature of the component does not exceed +150°C under worst case conditions	
Ambient Temperature (referring to I_R)	-40 up to +110 °C
Operating Temperature	-40 up to +150 °C
Storage Conditions (in original packaging)	< 40 °C ; < 75 % RH
Moisture Sensitivity Level (MSL)	1
Test conditions of Electrical Properties: +20 °C, 33 % RH if not specified differently	



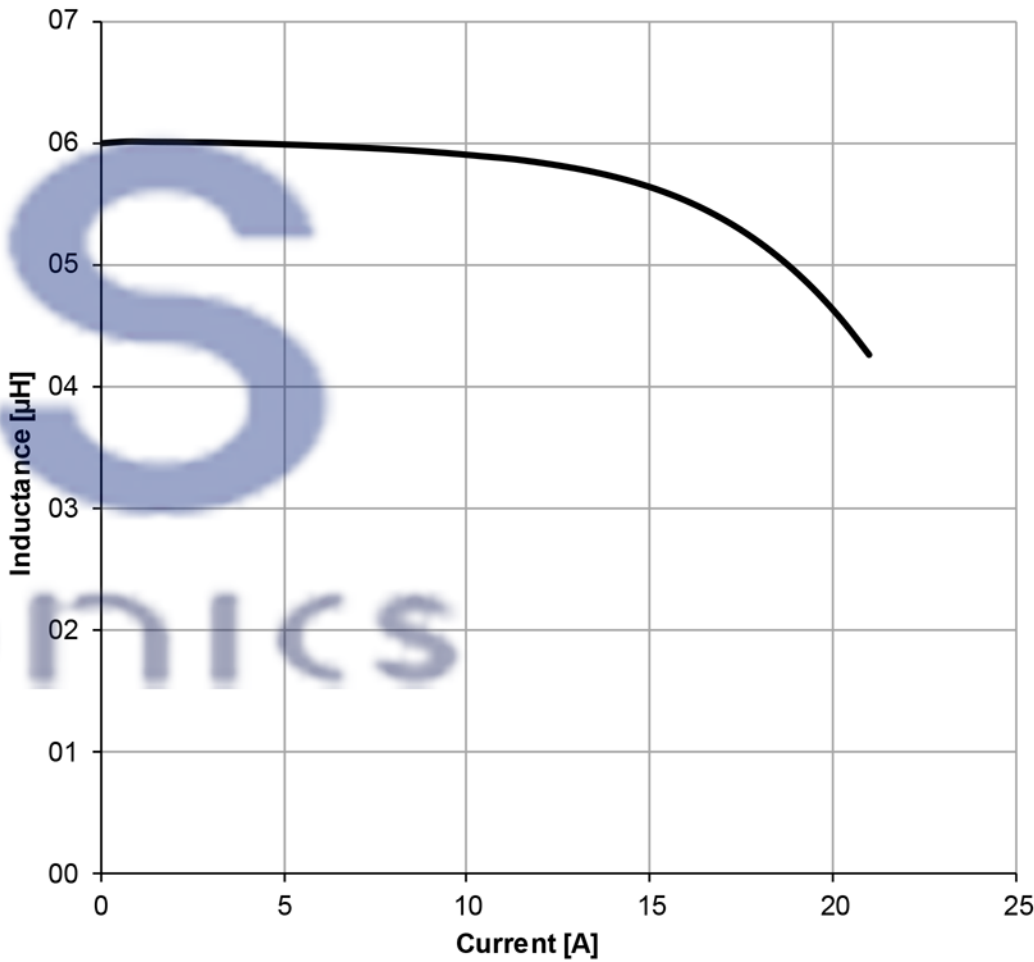
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
Address:Building B1,The West Cloud Valley, Fengxi New City,
Xixian New Area,Xianyang City,Shaanxi Province,China.
Tel:0086 29 8868 5333 Fax:0086 29 8868 0913
[Http://www.fks-tech.com](http://www.fks-tech.com)

DATE (YYYY-MM-DD)	2019-06-18	GENERAL TOLERANCE	DIN ISO 2768-1m	PROJECTION METHOD	
DESCRIPTION				ORDER CODE	
Rod Core Inductor THT				FKS7847131060	
				STATUS	Valid

Typical Impedance Characteristics:

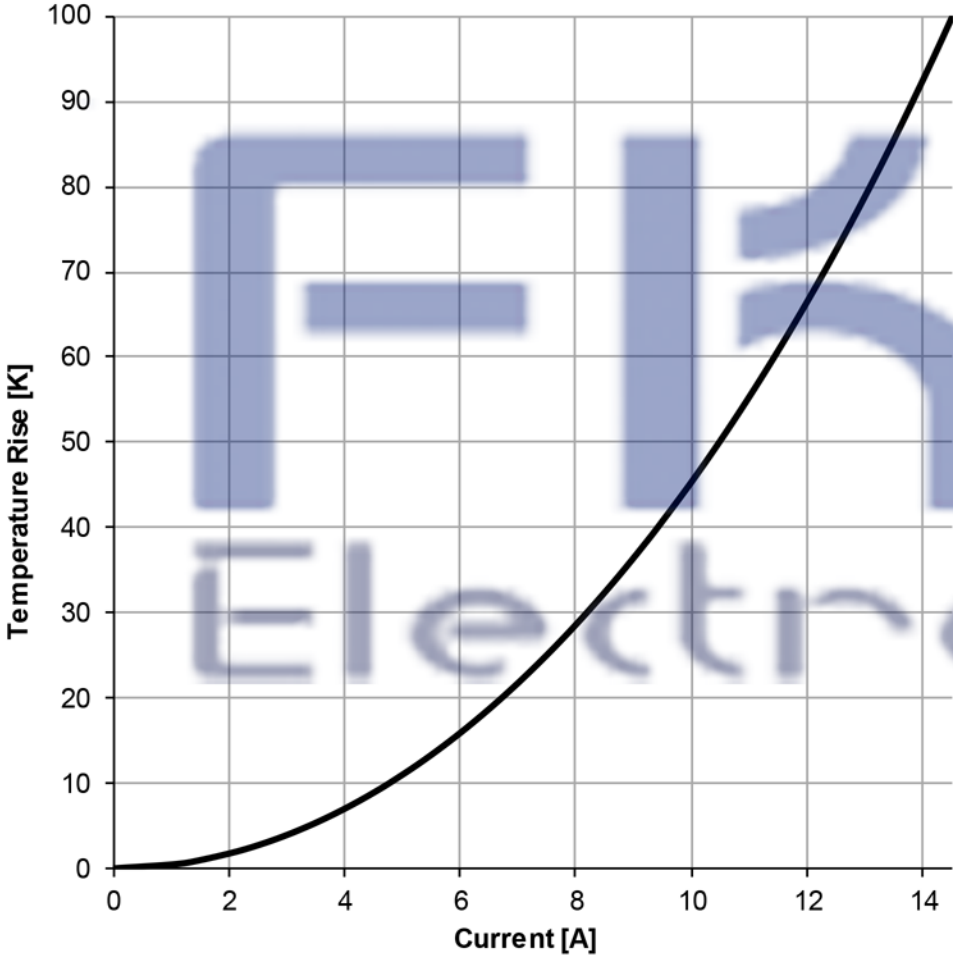


Typical Inductance vs. Current Characteristics:



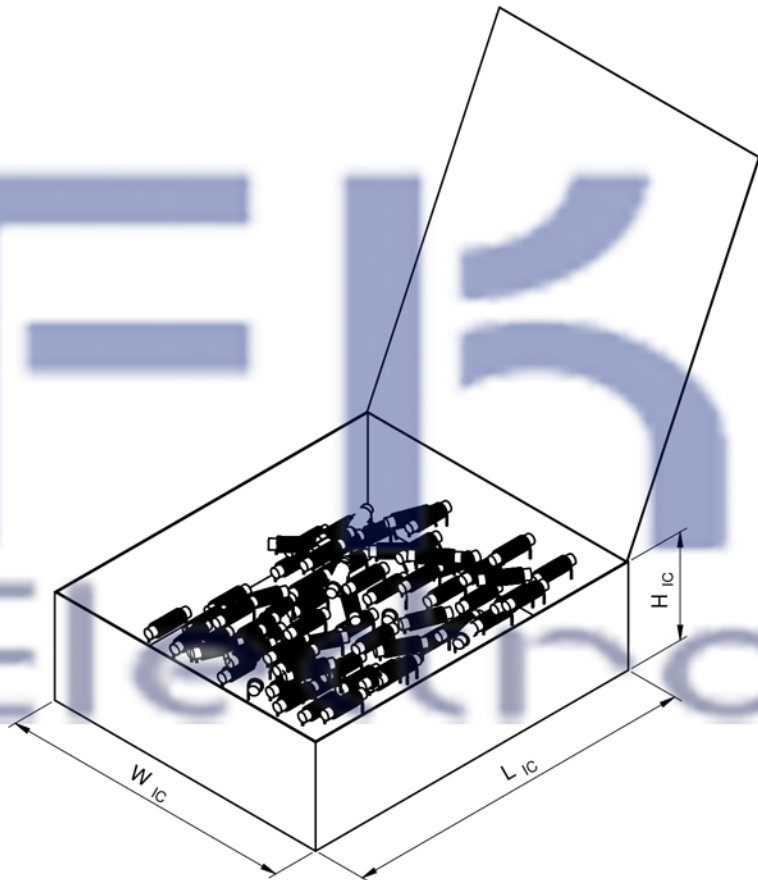
RoHS COMPLIANT REACH COMPLIANT AEC 0200 125 °C GRADE 1		DATE (YYYY-MM-DD) 2019-06-18	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
FKS Electronics  Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. Address:Building B1,The West Cloud Valley, Fengxi New City, Xixian New Area,Xianyang City,Shaanxi Province,China. Tel:0086 29 8868 5333 Fax:0086 29 8868 0913 Http://www.fks-tech.com		DESCRIPTION 1 Rod Core Inductor THT		ORDER CODE FKS7847131060
				STATUS Valid

Typical Temperature Rise vs. Current Characteristics:

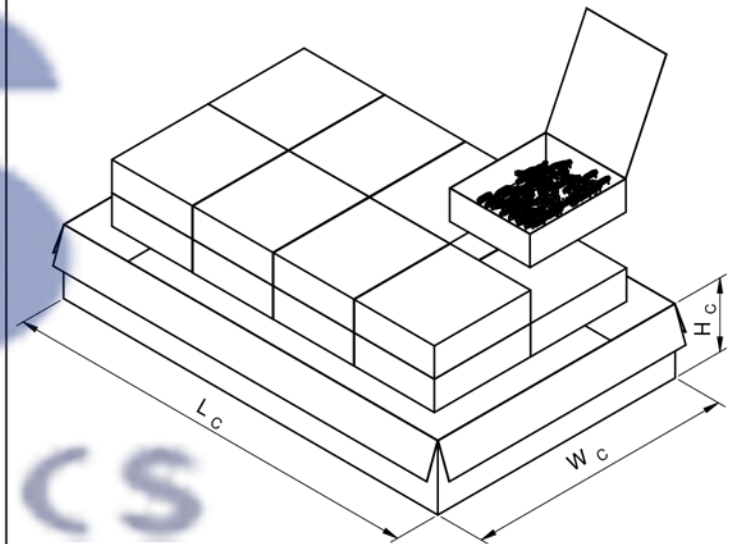


RoHS COMPLIANT REACH COMPLIANT AEC 0200 125 °C GRADE 1		DATE (YYYY-MM-DD) 2019-06-18	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
FKS Electronics  Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. Address:Building B1,The West Cloud Valley, Fengxi New City, Xixian New Area,Xianyang City,Shaanxi Province,China. Tel:0086 29 8868 5333 Fax:0086 29 8868 0913 Http://www.fks-tech.com		DESCRIPTION ' Rod Core Inductor THT		ORDER CODE FKS7847131060
				STATUS Valid

Packaging Specification - Tape and Reel: [mm]



L _{IC} (mm)	W _{IC} (mm)	H _{IC} (mm)	Qty. (pcs.)	Material
typ.	typ.	typ.		
150,00	125,00	45,00	200	Paper



L _C (mm)	W _C (mm)	H _C (mm)	No. of Inner Carton (pcs.)	Qty. (pcs.)	Material
typ.	typ.	typ.			
584,00	370,00	100,00	16	3200	Paper





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GENERAL TOLERANCE
DIN ISO 2768-1m

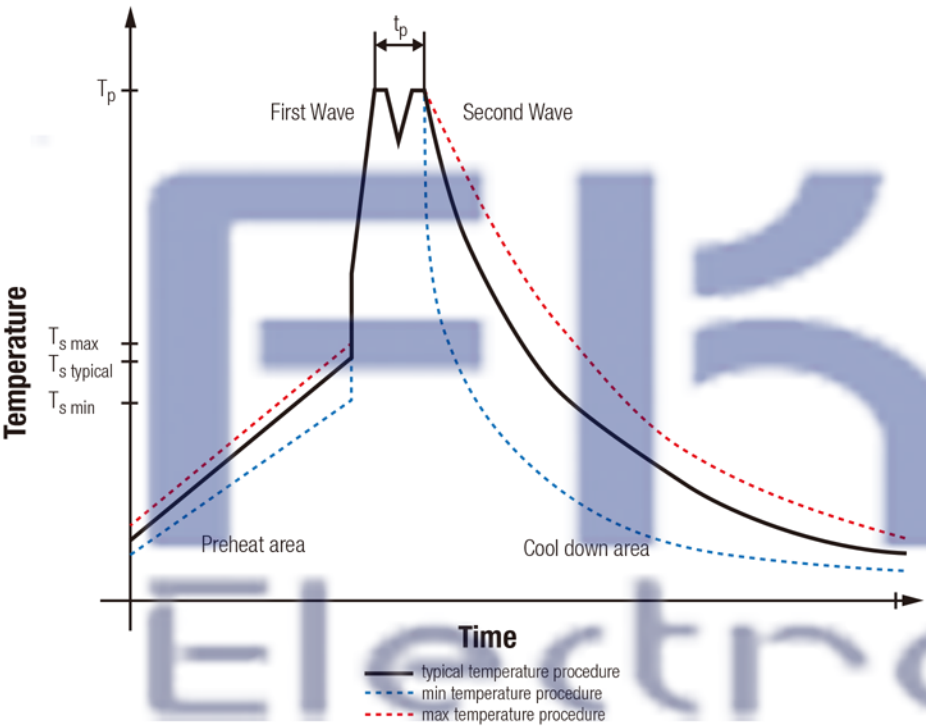
PROJECTION METHOD


DESCRIPTION
Rod Core Inductor THT

ORDER CODE
FKS7847131060

STATUS
Valid

Classification Wave Soldering Profile:



Classification Wave Soldering Profile:

Profile Feature		Pb-Free Assembly	Sn-Pb Assembly
Preheat Temperature Min	$T_{s \text{ min}}$	100 °C	100 °C
Preheat Temperature Typical	$T_{s \text{ typical}}$	120 °C	120 °C
Preheat Temperature Max	$T_{s \text{ max}}$	130 °C	130 °C
Preheat Time t_s from $T_{s \text{ min}}$ to $T_{s \text{ max}}$	t_s	70 seconds	70 seconds
Ramp-up Rate	ΔT	150 °C max.	150 °C max.
Peak Temperature	T_p	250 °C - 260 °C	235 °C - 260 °C
Time of actual peak temperature	t_p	max. 10 seconds max. 5 seconds each wave	max. 10 seconds max. 5 seconds each wave
Ramp-down Rate, Min		~ 2 K/ second	~ 2 K/ second
Ramp-down Rate, Typical		~ 3.5 K/ second	~ 3.5 K/ second
Ramp-down Rate, Max		~ 5 K/ second	~ 5 K/ second
Time 25 °C to 25 °C		4 minutes	4 minutes

refer to EN61760-1:2006





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