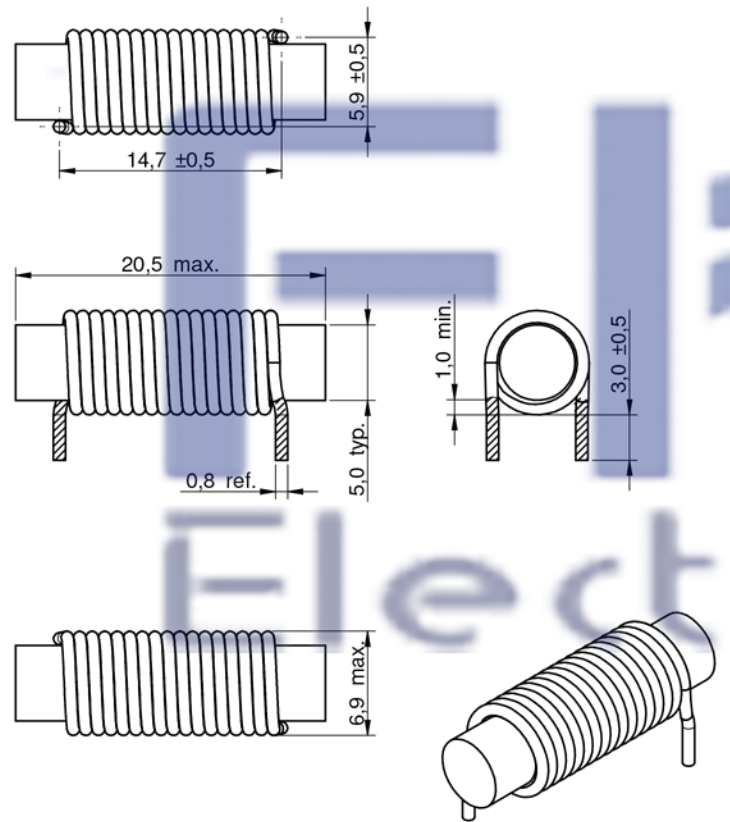
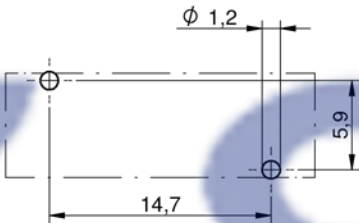


Dimensions: [mm]



Scale - 2:1

Recommended Hole Pattern: [mm]



Scale - 2:1

Schematic:



Electrical Properties:

Properties		Test conditions	Value	Unit	Tol.
Inductance	L	0.25 V/ 100 kHz	6	μ H	$\pm 25\%$
Rated Current	I_R	$\Delta T = 40$ K	5	A	max.
Saturation Current	I_{SAT}	$ \Delta L/L < 10 \%$	15	A	typ.
DC Resistance	R_{DC}	@ 20 °C	11.7	m Ω	$\pm 20\%$
Self Resonant Frequency	f_{res}		95	MHz	

Certification:

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

General Information:

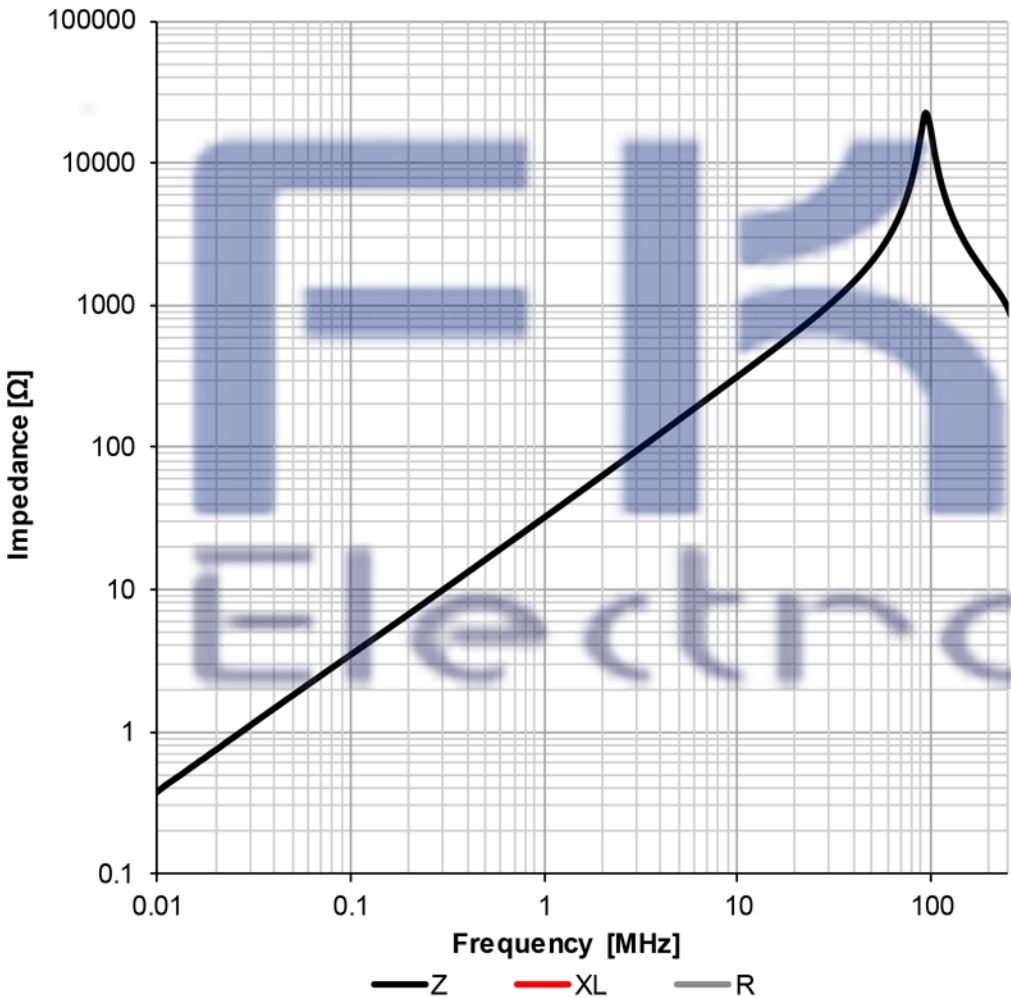
It is recommended that the temperature of the component does not exceed +150°C under worst case conditions	
Ambient Temperature (referring to I_R)	-40 up to +110 °C
Operating Temperature	-40 up to +150 °C
Storage Conditions (in original packaging)	< 40 °C ; < 75 % RH
Moisture Sensitivity Level (MSL)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



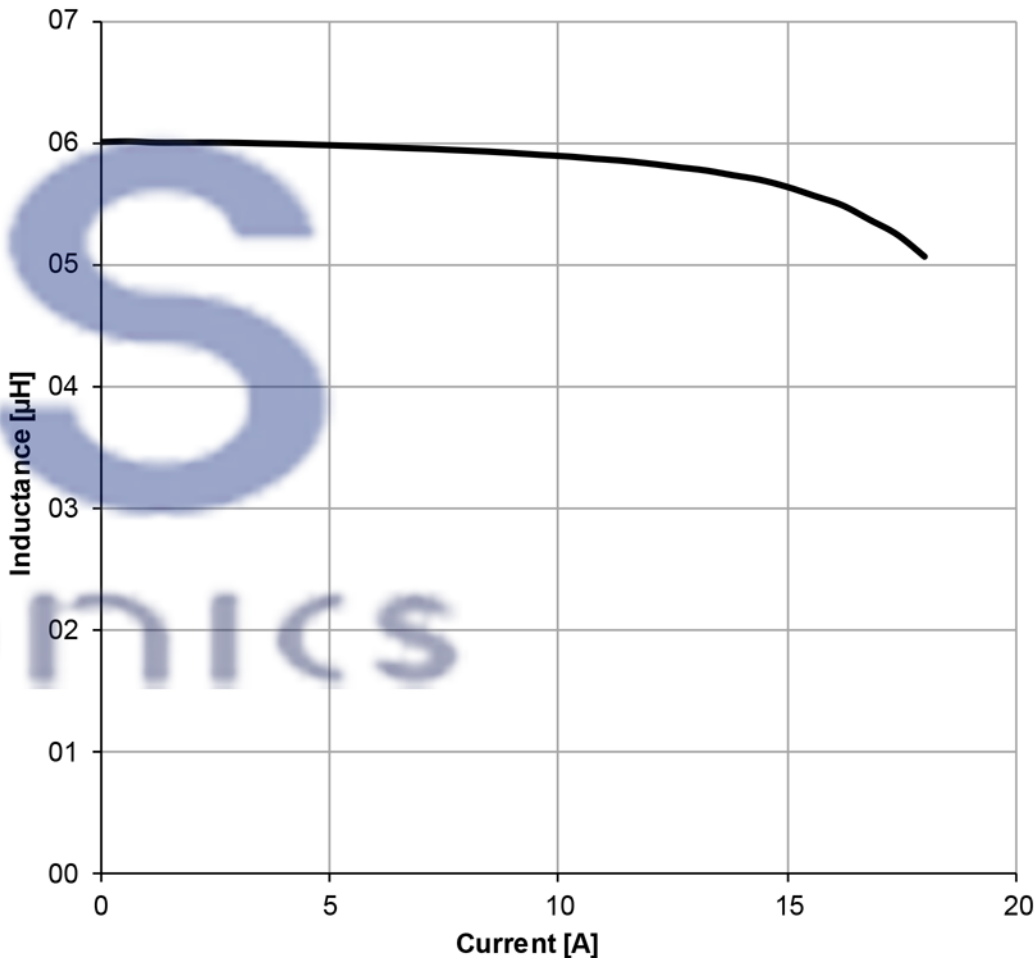
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
Address:Building B1,The West Cloud Valley, Fengxi New City,
Xixian New Area,Xianyang City,Shaanxi Province,China.
Tel:0086 29 8868 5333 Fax:0086 29 8868 0913
[Http://www.fks-tech.com](http://www.fks-tech.com)

DATE (YYYY-MM-DD)	2019-06-18	GENERAL TOLERANCE	DIN ISO 2768-1m	PROJECTION METHOD	
DESCRIPTION		Rod Core Inductor THT		ORDER CODE	
				FKS7847121060	
				STATUS	Valid

Typical Impedance Characteristics:

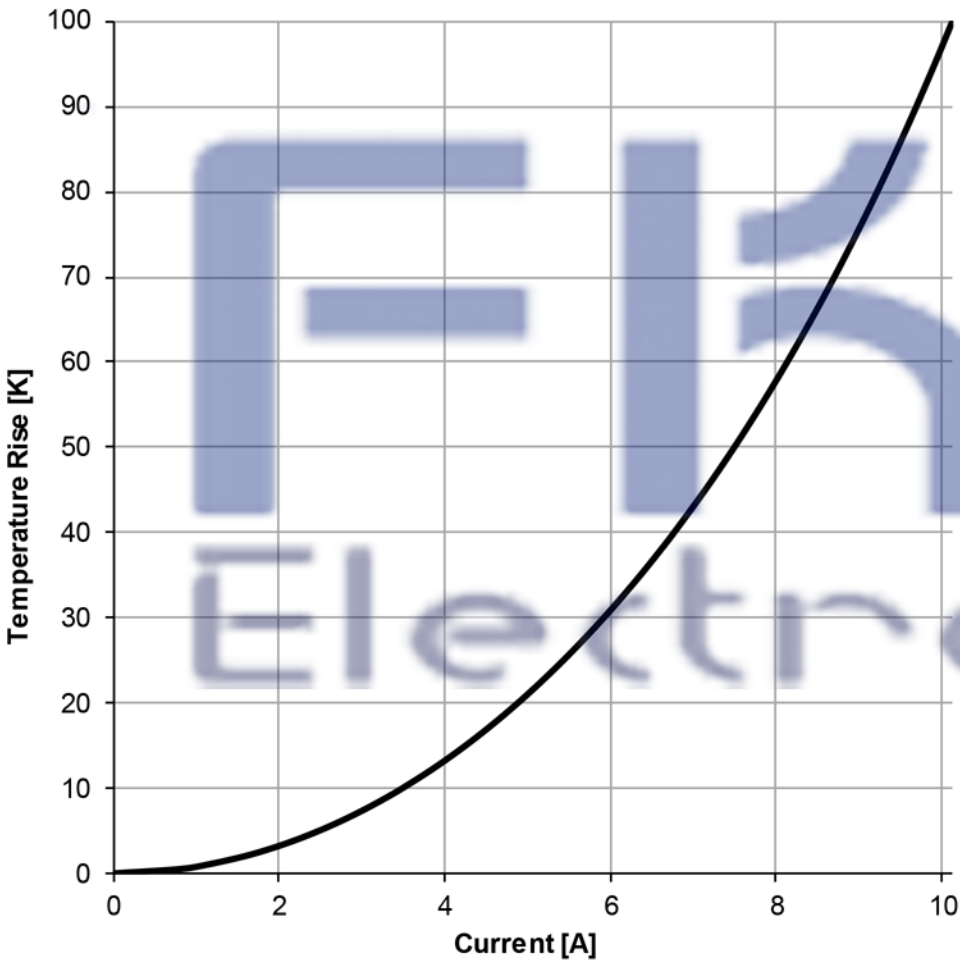


Typical Inductance vs. Current Characteristics:



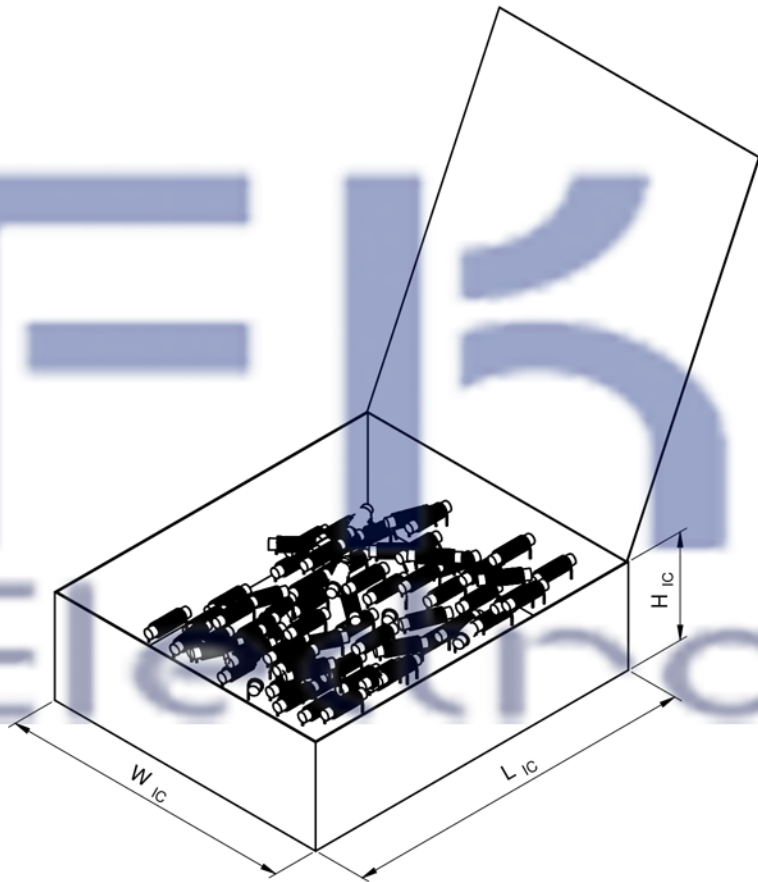
RoHS COMPLIANT REACH COMPLIANT AEC Q200 125 °C GRADE 1 FKS electronics Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. Address:Building B1,The West Cloud Valley, Fengxi New City, Xixian New Area,Xianyang City,Shaanxi Province,China. Tel:0086 29 8868 5333 Fax:0086 29 8868 0913 Http://www.fks-tech.com		DATE (YYYY-MM-DD) 2019-06-18		GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD
DESCRIPTION 1		Rod Core Inductor THT			ORDER CODE FKS8747121060
					STATUS Valid

Typical Temperature Rise vs. Current Characteristics

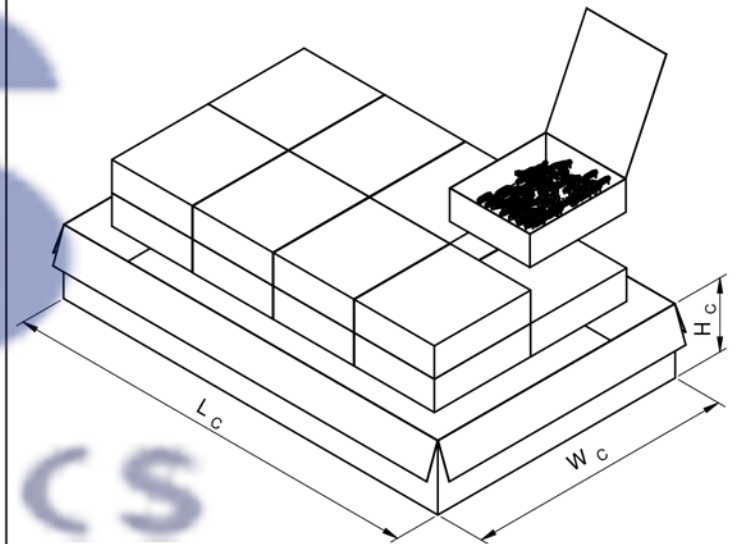


   125 °C GRADE 1		DATE (YYYY-MM-DD) 2019-06-18	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
  Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. Address:Building B1,The West Cloud Valley, Fengxi New City, Xixian New Area,Xianyang City,Shaanxi Province,China. Tel:0086 29 8868 5333 Fax:0086 29 8868 0913 Http://www.fks-tech.com		DESCRIPTION Rod Core Inductor THT		ORDER CODE FKS8747121060
				STATUS Valid

Packaging Specification - Tape and Reel: [mm]



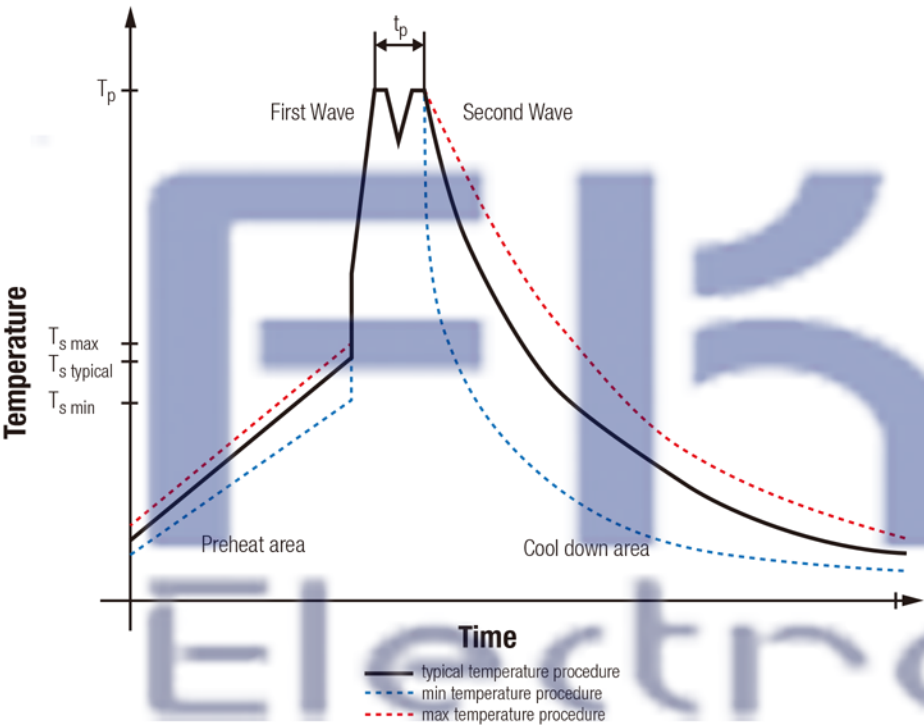
L _{IC} (mm)	W _{IC} (mm)	H _{IC} (mm)	Qty. (pcs.)	Material
typ.	typ.	typ.		
150,00	125,00	45,00	500	Paper



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	8000	Paper

 RoHS COMPLIANT	 REACH COMPLIANT	 AEC Q200		F (	DATE (YYYY-MM-DD) 2019-06-18	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
 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 FKS7847121060		
					STATUS Valid		

Classification Wave Soldering Profile:



Classification Wave Soldering Profile:

Profile Feature		Pb-Free Assembly	Sn-Pb Assembly
Preheat Temperature Min	T _{s min}	100 °C	100 °C
Preheat Temperature Typical	T _{s typical}	120 °C	120 °C
Preheat Temperature Max	T _{s max}	130 °C	130 °C
Preheat Time t _s from T _{s min} to T _{s max}	t _s	70 seconds	70 seconds
Ramp-up Rate	Δ T	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

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 
DESCRIPTION Rod Core Inductor THT		ORDER CODE FKS7847121060		
STATUS Valid				

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](http://www.fks-tech.com)