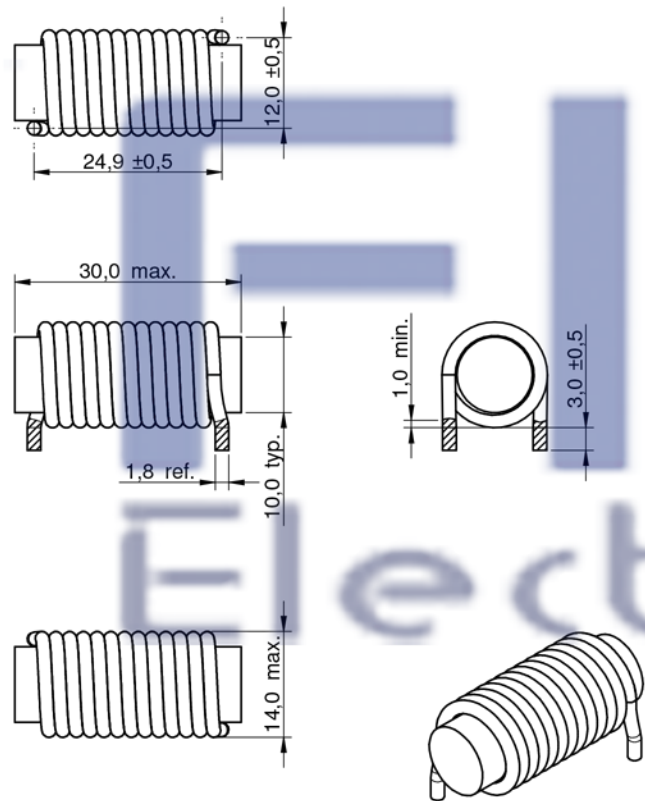
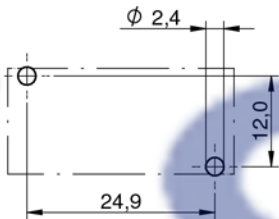


Dimensions: [mm]



Scale - 1:1

Recommended Hole Pattern: [mm]



Scale - 1:1

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	15	A	max.
Saturation Current	I_{SAT}	$ \Delta L/L < 10 \%$	45	A	typ.
DC Resistance	R_{DC}	@ 20 °C	3.5	m Ω	$\pm 20\%$
Self Resonant Frequency	f_{res}		56.6	MHz	

Certification:

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

General Information:

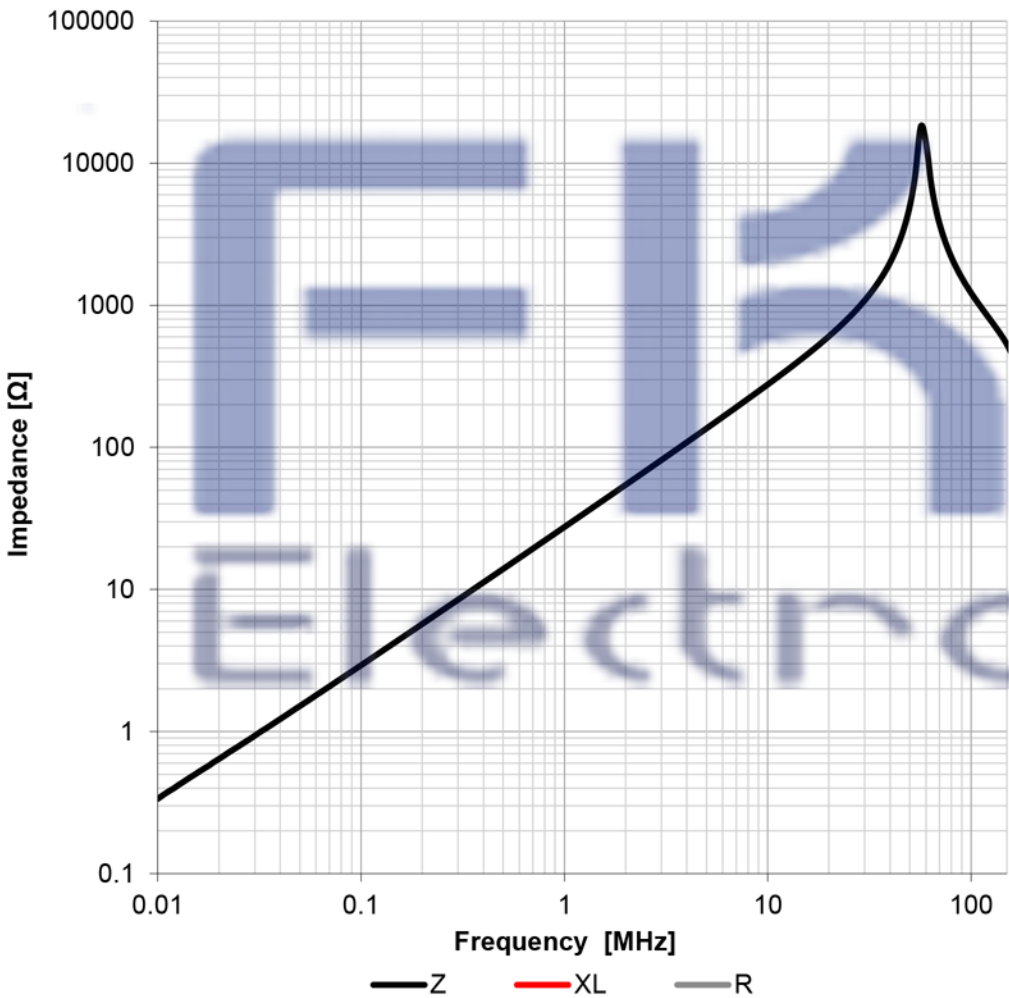
It is recommended that the temperature of the component does not exceed +150°C under worst case conditions	
Ambient Temperature (referring to I_R)	-40 up to +110 °C
Operating Temperature	-40 up to +150 °C
Storage Conditions (in original packaging)	< 40 °C ; < 75 % RH
Moisture Sensitivity Level (MSL)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



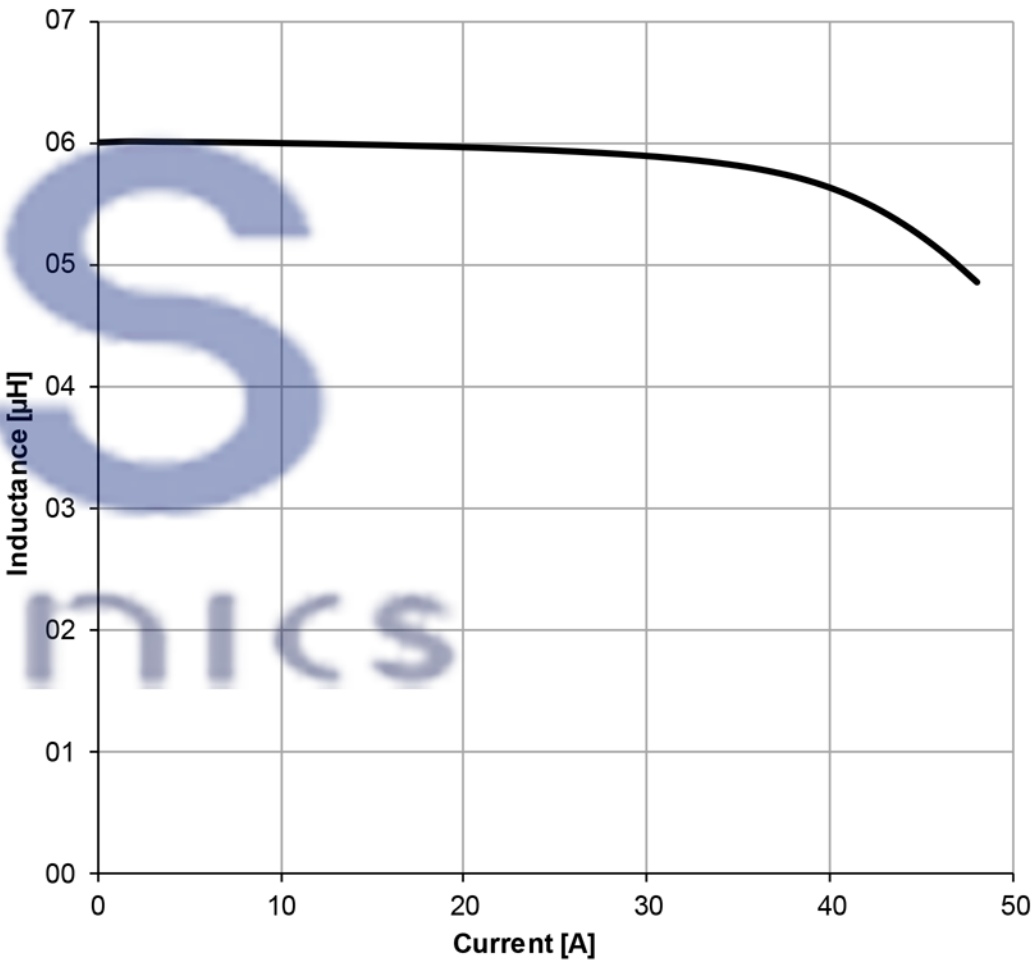
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
Address:Building B1,The West Cloud Valley, Fengxi New City,
Xixian New Area,Xianyang City,Shaanxi Province,China.
Tel:0086 29 8868 5333 Fax:0086 29 8868 0913
[Http://www.fks-tech.com](http://www.fks-tech.com)

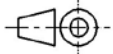
DATE (YYYY-MM-DD)	2019-06-18	GENERAL TOLERANCE	DIN ISO 2768-1m	PROJECTION METHOD	
DESCRIPTION		Rod Core Inductor THT		ORDER CODE	
				•FKS7847132060	
				STATUS	Valid

Typical Impedance Characteristics:

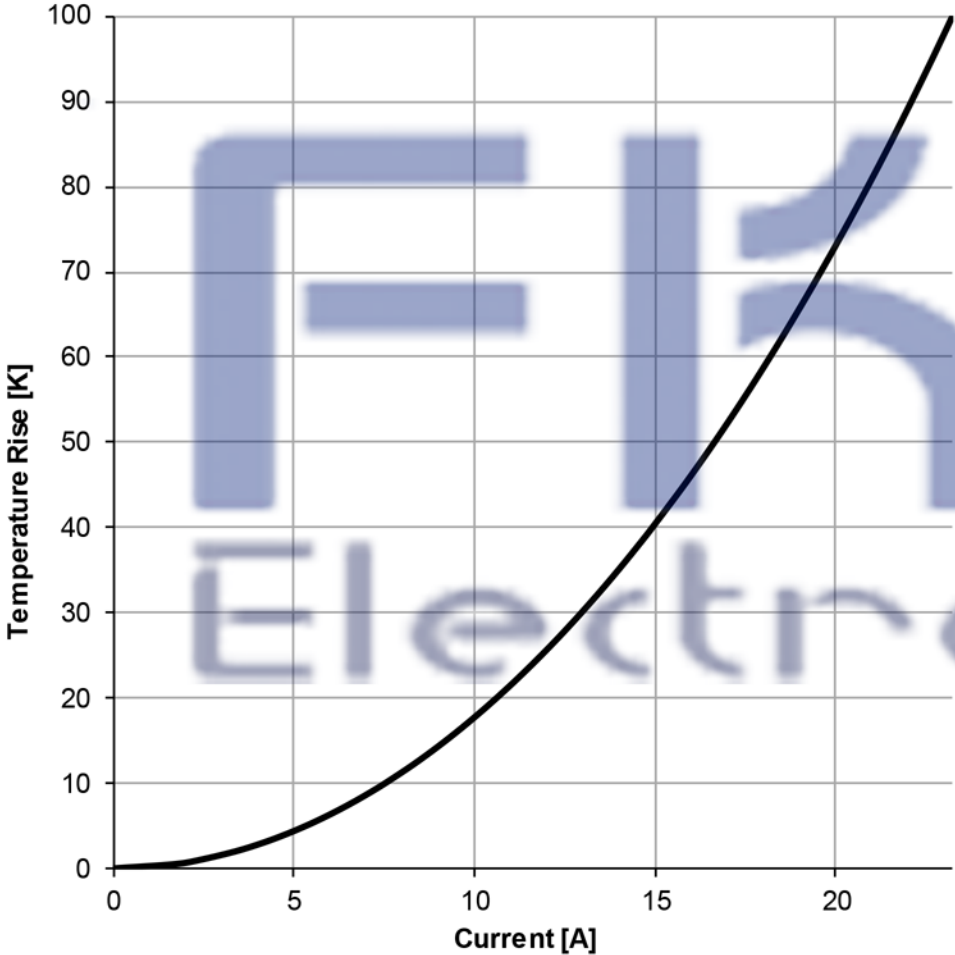


Typical Inductance vs. Current Characteristics:



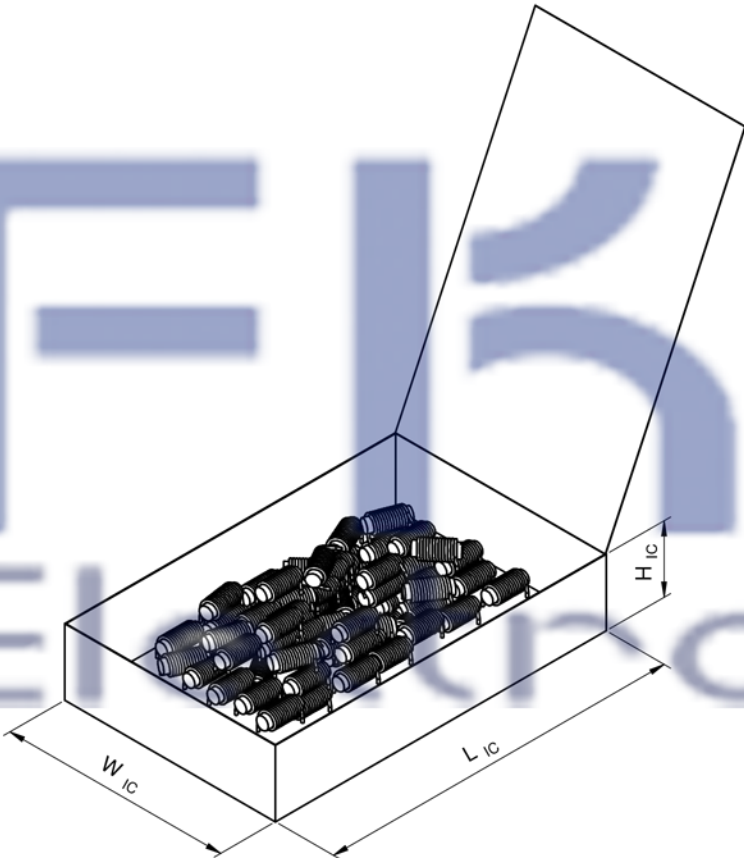
 125 °C GRADE 1		DATE (YYYY-MM-DD) 2019-06-18	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
 Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. Address:Building B1,The West Cloud Valley, Fengxi New City, Xixian New Area,Xianyang City,Shaanxi Province,China. Tel:0086 29 8868 5333 Fax:0086 29 8868 0913 Http://www.fks-tech.com		DESCRIPTION Rod Core Inductor THT		ORDER CODE FKS7847132060
				STATUS Valid

Typical Temperature Rise vs. Current Characteristics:



 RoHS COMPLIANT  REACH COMPLIANT  AEC Q200			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 FKS7847132060	
							STATUS Valid	

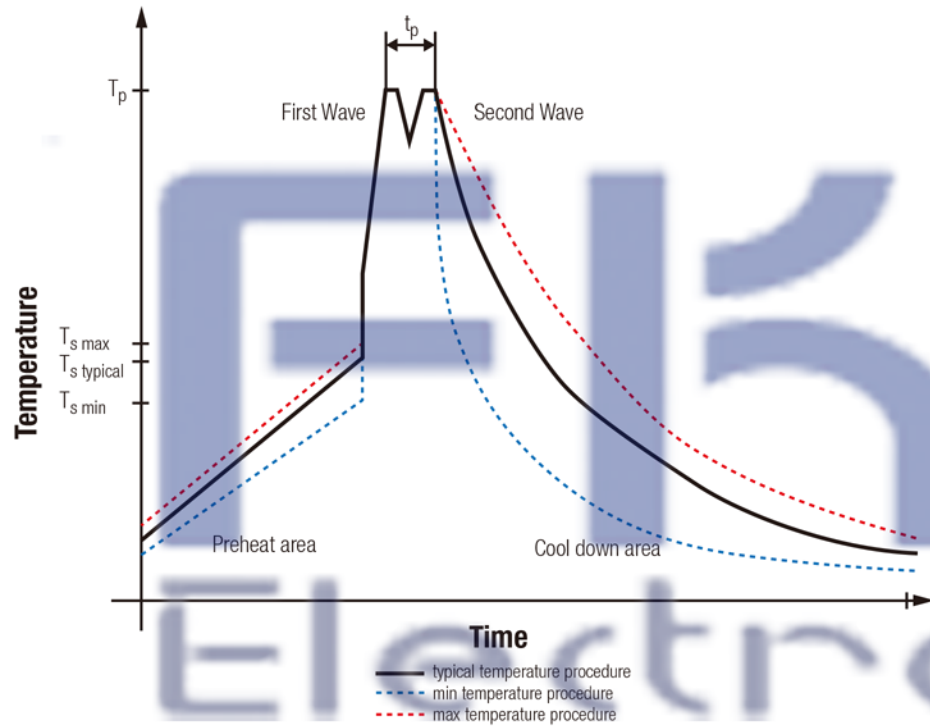
Packaging Specification - Tape: [mm]



L IC (mm)	W IC (mm)	H IC (mm)	Qty. (pcs.)	Material
typ.	typ.	typ.		
275,00	175,00	55,00	300	Paper

  		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 FKS7847132060	
						STATUS Valid	

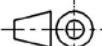
Classification Wave Soldering Profile:



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

 RoHS COMPLIANT  REACH COMPLIANT  AEC Q200 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 FKS7847132060			
				STATUS Valid			
  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							