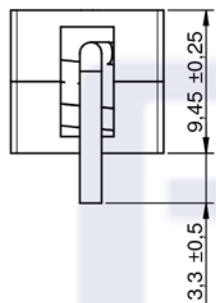
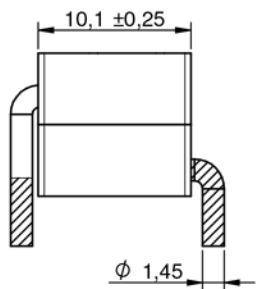
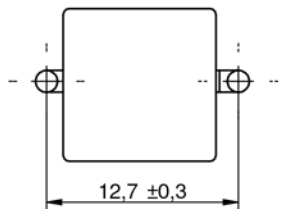
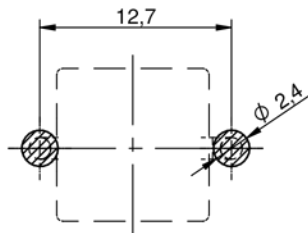


Dimensions: [mm]



Scale - 2:1

Recommended Land Pattern: [mm]



Scale - 2:1

Schematic:



Product Marking:

Marking	
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Electrical Properties:

Properties		Test conditions	Value	Unit	Tol.
Inductance	L	100 kHz/ 5 mA	0.5	μH	±20%
Rated Current	I _R	ΔT = 50 K	25.1	A	max.
Saturation Current	I _{SAT}	ΔL/L < 10 %	25	A	typ.
DC Resistance	R _{DC}	@ 20 °C	0.88	mΩ	±20%
Self Resonant Frequency	f _{res}		250	MHz	typ.

Certification:

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

General Information:

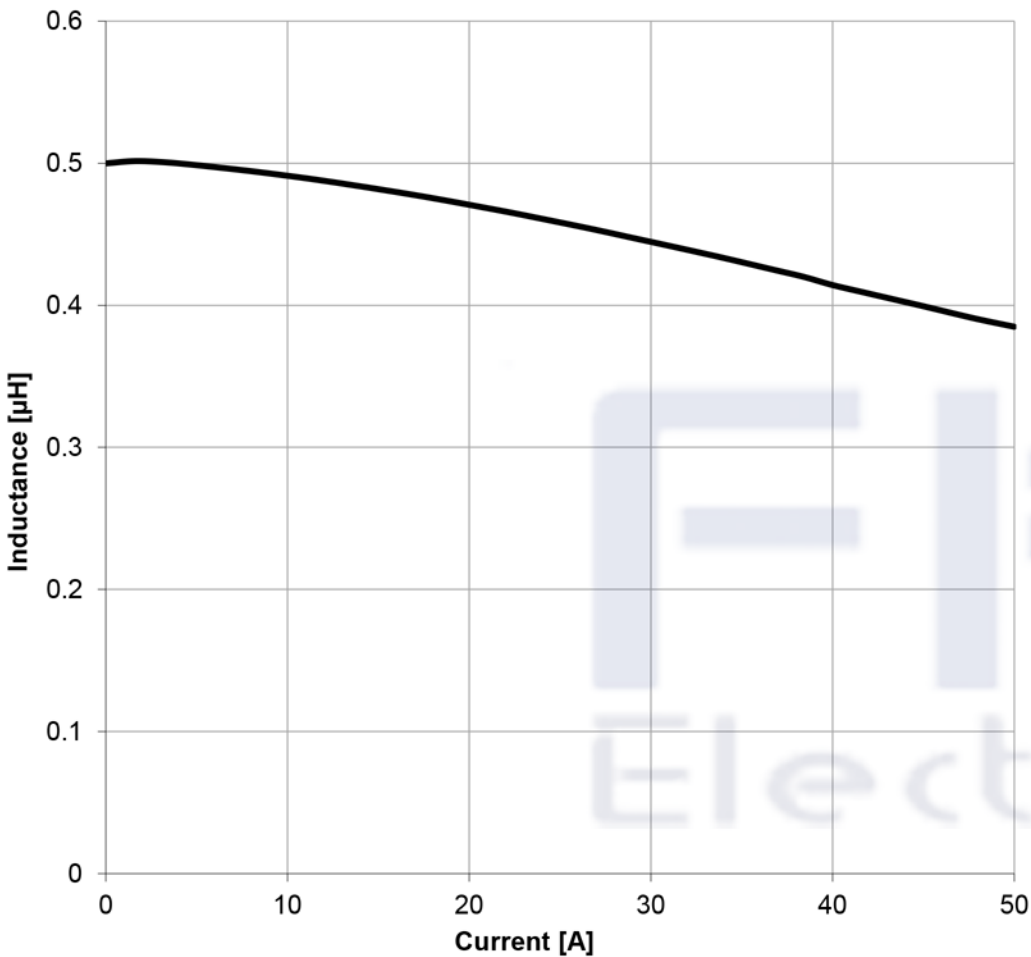
It is recommended that the temperature of the component does not exceed +100°C under worst case conditions	
Ambient Temperature (referring to I _R)	-40 up to +105 °C
Operating Temperature	-40 up to +150 °C
Storage Conditions (in original packaging)	< 40 °C ; < 75 % RH
Moisture Sensitivity Level (MSL)	1
Test conditions of Electrical Properties: +20 °C, 33 % RH if not specified differently	



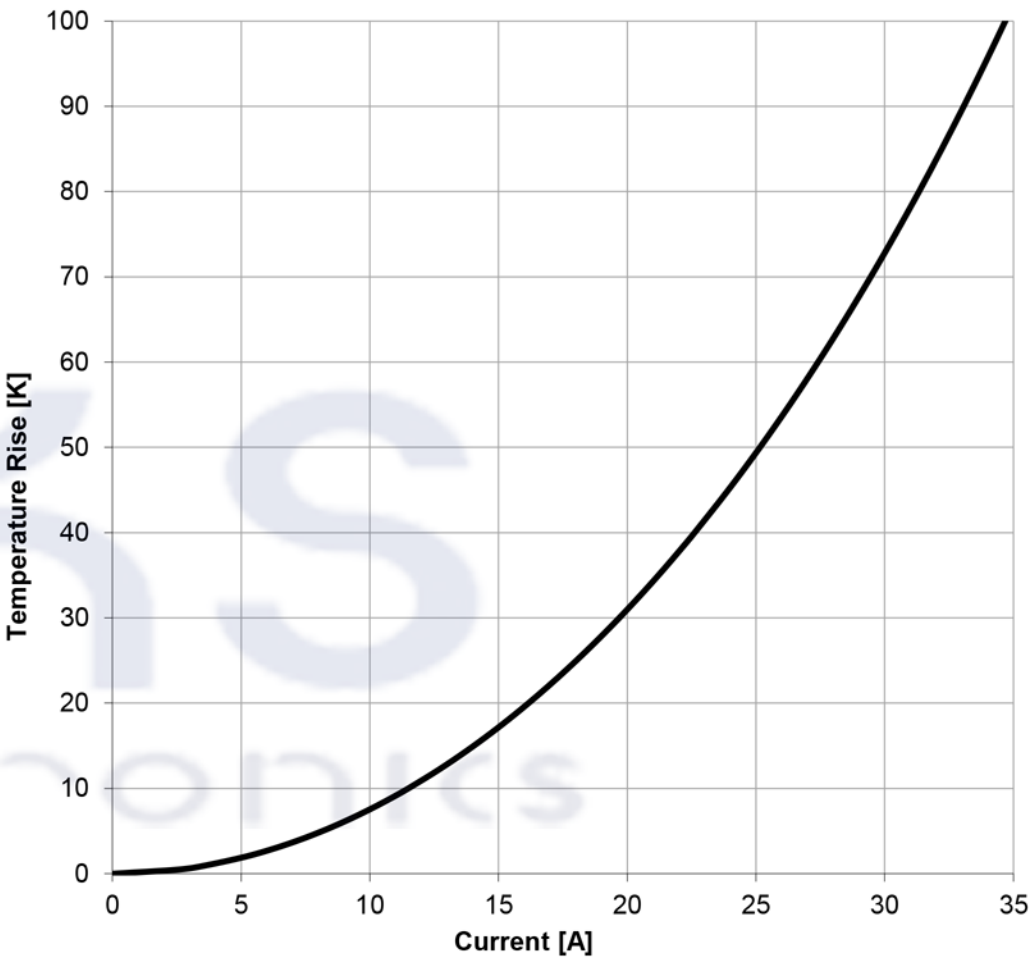
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
Address:Building B1,The West Cloud Valley, Fengxi New City,
Xixian New Area,Xianyang City,Shaanxi Province,China.
Tel:0086 29 8868 5333 Fax:0086 29 8868 0913
[Http://www.fks-tech.com](http://www.fks-tech.com)

DATE (YYY-MM-DD)	2019-06-18	GENERAL TOLERANCE	DIN ISO 2768-1m	PROJECTION METHOD	
DESCRIPTION		THT High Current Inductor		ORDER CODE	
SIZE/TYPE		1010		STATUS	
				Valid	
				FKS78432010005	

Typical Inductance vs. Current Characteristics:

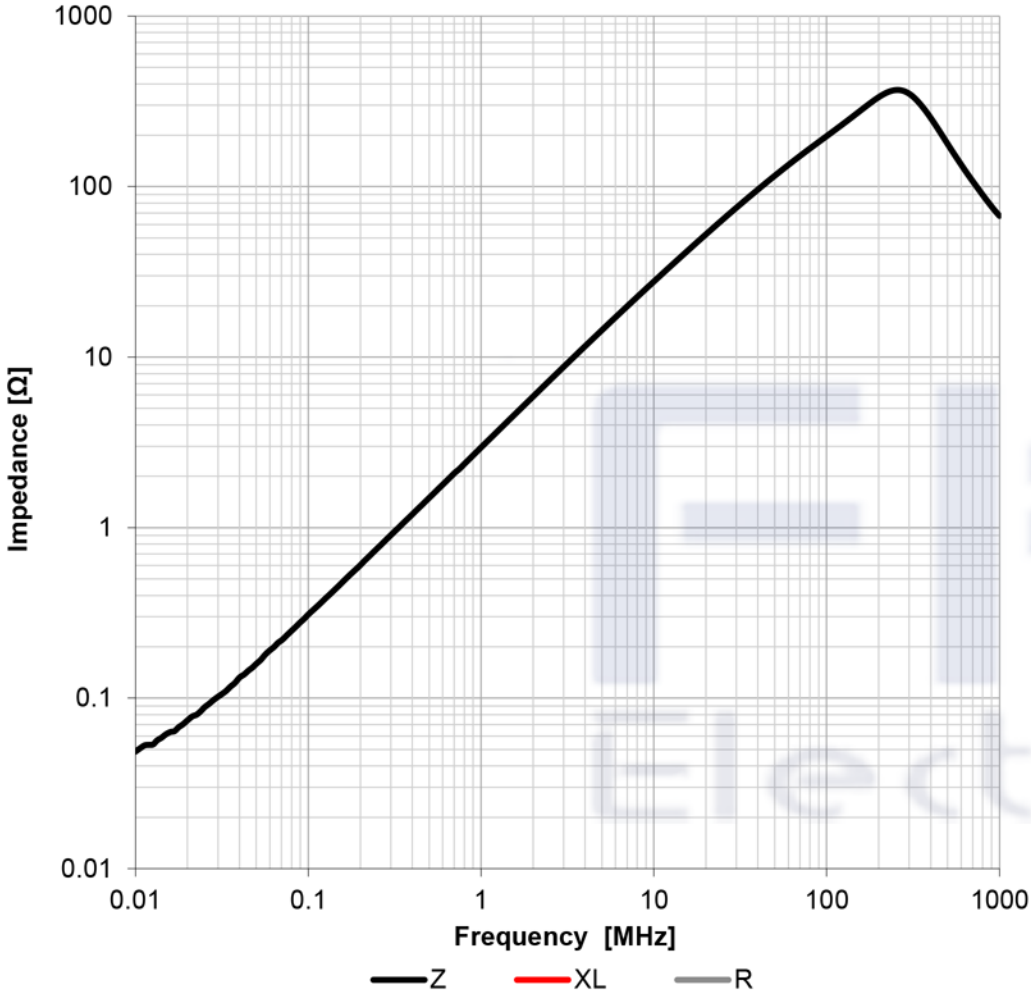


Typical Temperature Rise vs. Current Characteristics:



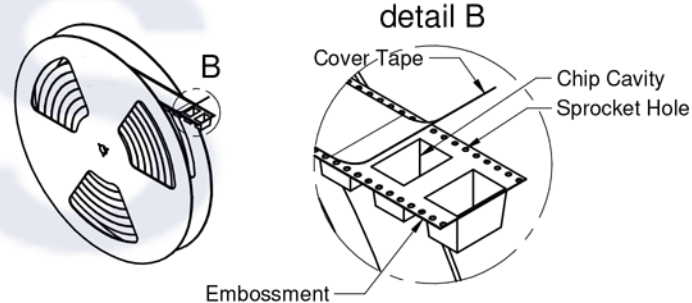
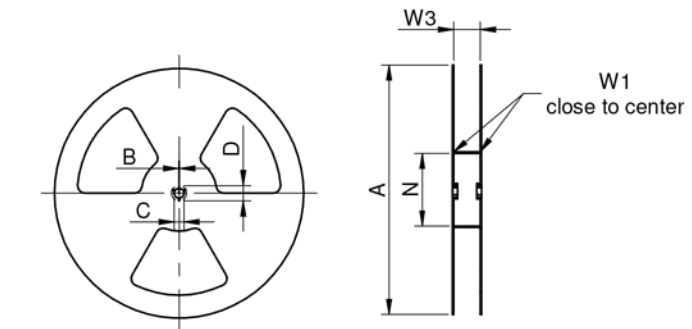
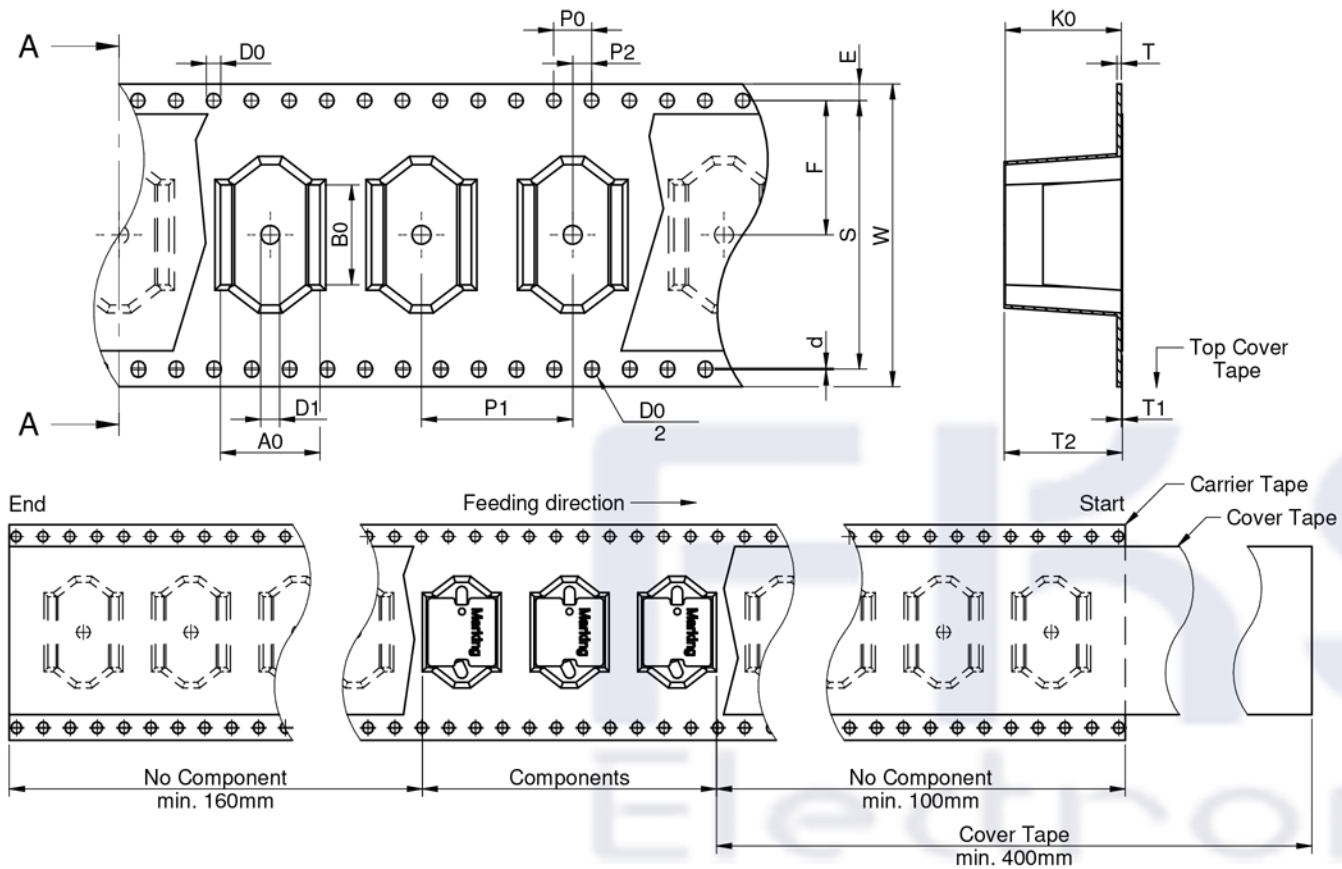
RoHS COMPLIANT REACH COMPLIANT AEC Q200 125 °C GRADE 1		DATE (YYYY-MM-DD)	GENERAL TOLERANCE	PROJECTION METHOD	
		2019-06-18	DIN ISO 2768-1m		
FKS Electronics Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. Address:Building B1,The West Cloud Valley, Fengxi New City, Xixian New Area,Xianyang City,Shaanxi Province,China. Tel:0086 29 8868 5333 Fax:0086 29 8868 0913 http://www.fks-tech.com		DESCRIPTION			
		THT High Current Inductor		ORDER CODE	
				FKS78432010005	
SIZE/TYPE		STATUS			
1010		Valid			

Typical Impedance Characteristics:



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 
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 ΓHT High Current Inductor		ORDER CODE FKS78432010005	
SIZE/TYPE 1010				STATUS Valid	

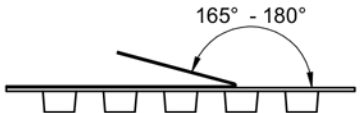
Packaging Specification - Tape and Reel: [mm]



Packaging is referred to the international standard IEC 60286-3:2013

Tape Type	A0 (mm)	B0 (mm)	W (mm)	T (mm)	T1 (mm)	T2 (mm)	K0 (mm)	P0 (mm)	P1 (mm)	P2 (mm)	D0 (mm)	D0 / 2 (mm)	D1 (mm)	d (mm)	E (mm)	S (mm)	F (mm)	Material	Qty. (pcs.)
3	typ.	typ.	±0,3	ref.	ref.	typ.	typ.	±0,1	±0,1	±0,1	+0,1/-0,0	+0,05/-0,0	min.	±0,05	±0,1	±0,1	±0,1	Polystyrene	300
	10,55	10,55	32,00	0,60	0,10	14,60	13,90	4,00	16,00	2,00	1,50	0,75	2,00	0,20	1,75	28,40	14,20	Polystyrene	300

A (mm)	B (mm)	C (mm)	D (mm)	N (mm)	W1 (mm)	W2 (mm)	W3 (mm)	W3 (mm)	Material
± 2,0	min.	min.	min.	± 2,0	+ 2,0	max.	min.	max.	Polystyrene/ Polyurethane
330,00	1,50	12,80	20,20	80,00	32,40	38,40	31,90	35,40	



Tape width	32 mm	Pull-of force
		0,1 N - 1,3 N

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DATE (YYYY-MM-DD)
2019-06-18

GENERAL TOLERANCE
DIN ISO 2768-1m

PROJECTION METHOD

DESCRIPTION
Inductor

SIZE/TYPE
1010

ORDER CODE
FKS78432010005

STATUS
Valid