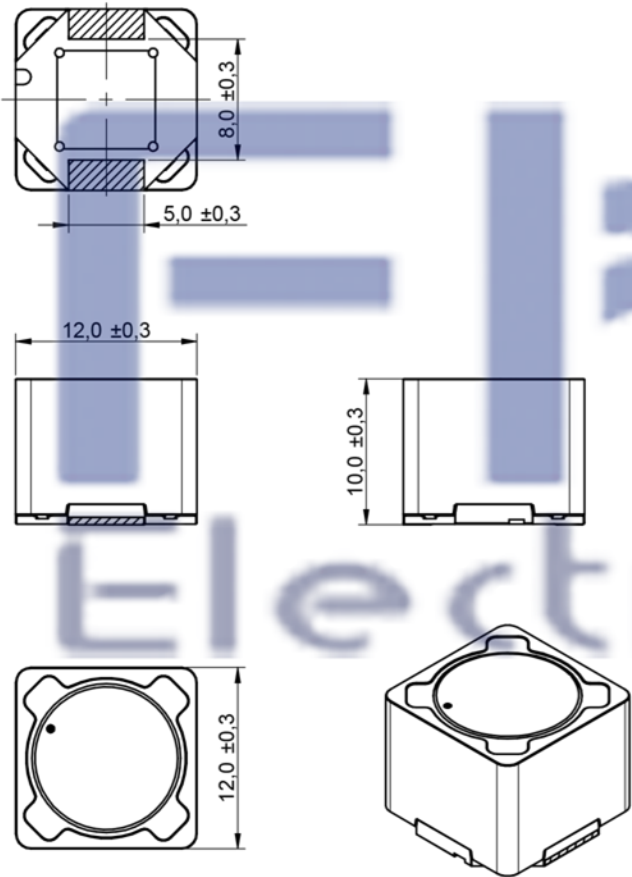


Dimensions: [mm]

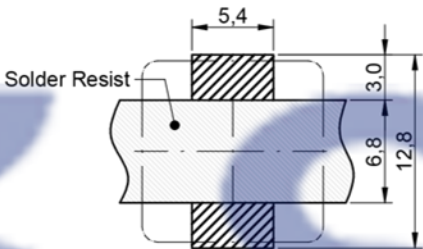


Scale - 2:1

Product Marking:

Start of Winding	•
Marking	*3R3 (Inductance Code)

Recommended Land Pattern: [mm]



Scale - 2:1

Schematic:



Electrical Properties:

Properties		Test conditions	Value	Unit	Tol.
Inductance	L	100 kHz/ 250 mV	3.3	μ H	$\pm 20\%$
Rated Current	I_R	$\Delta T = 40$ K	7	A	max.
Saturation Current	I_{SAT}	$\Delta L/L < 10\%$	1.5	A	typ.
DC Resistance	R_{DC}	@ 20 °C	14	m Ω	typ.
DC Resistance	R_{DC}	@ 20 °C	17	m Ω	max.
Self Resonant Frequency	f_{res}		72	MHz	typ.

Certification:

RoHS Approval	Compliant [2011/65/EU&2015/863]
REACH Approval	Conform or declared [(EC)1907/2006]
Halogen Free	Conform [JEDEC JS709B]
Halogen Free	Conform [IEC 61249-2-21]

General Properties:

It is recommended that the temperature of the component does not exceed +125 °C under worst case conditions	
Ambient Temperature (referring to I_R)	-40 up to +125 °C
Operating Temperature	-40 up to +125 °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	
Coplanarity of the terminal pads: 120 μ m	



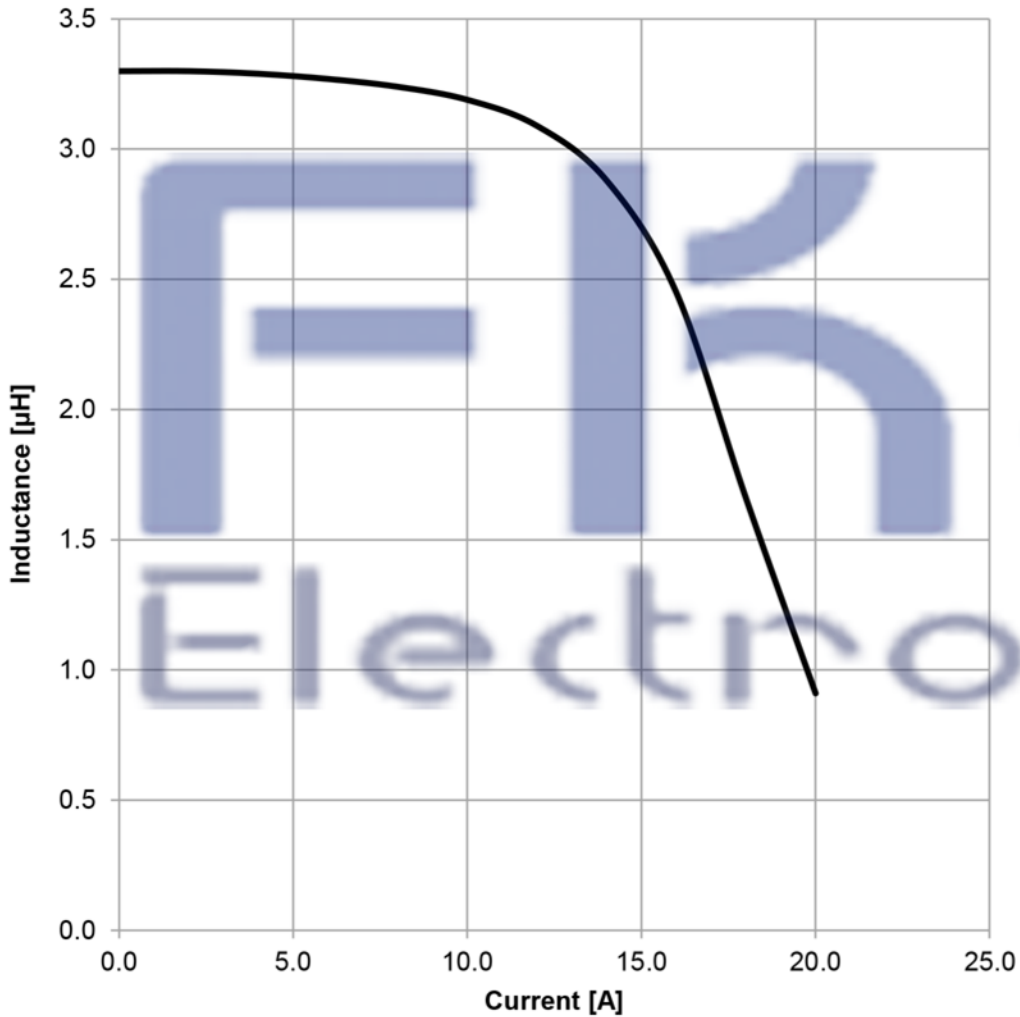
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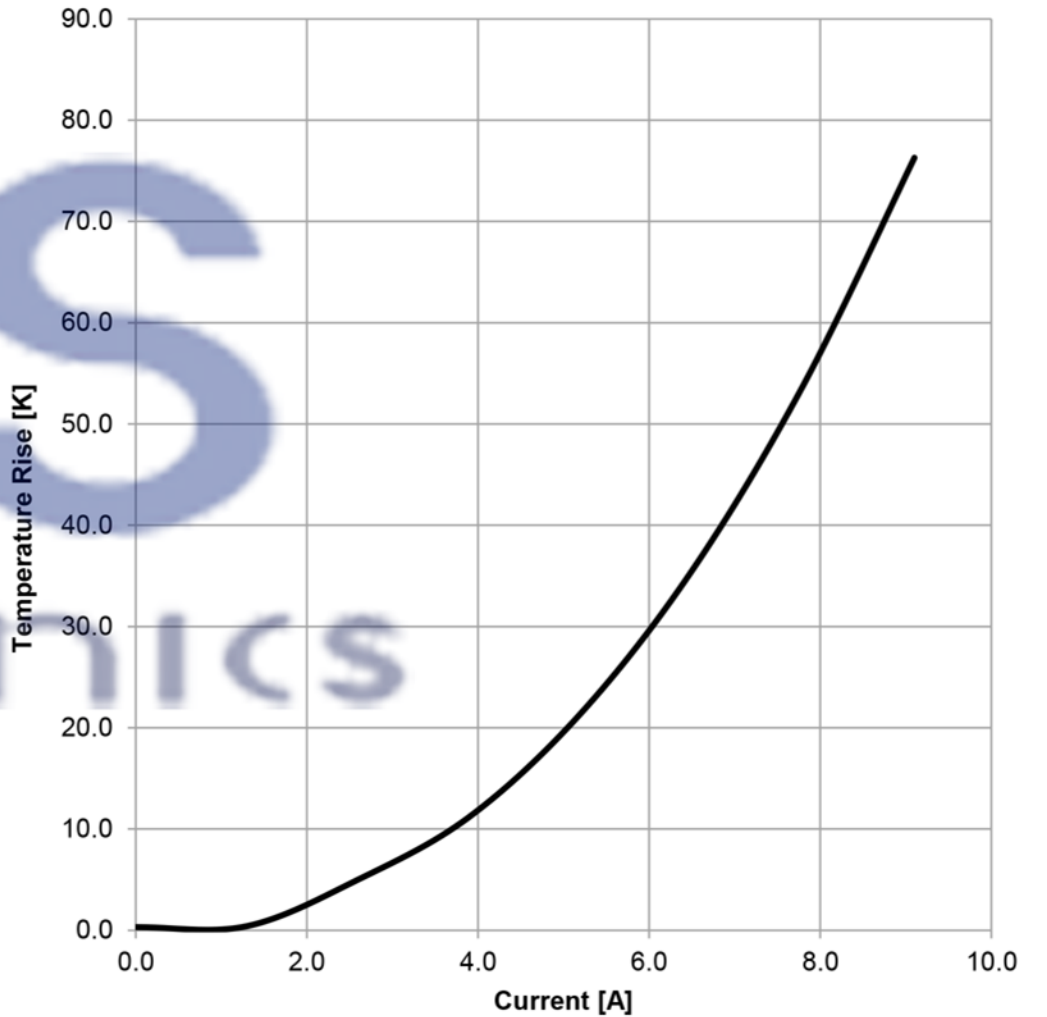
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
Address:Building B1,The West Cloud Valley, Fengxi New City,
Xixian New Area,Xianyang City,Shaanxi Province,China.
Tel:0086 29 8868 5333 Fax:0086 29 8868 0913
[Http://www.fks-tech.com](http://www.fks-tech.com)

DATE (YYYY-MM-DD)	2019-02-15	GENERAL TOLERANCE	DIN ISO 2768-1m	PROJECTION METHOD	
DESCRIPTION		SMT Shielded Power Inductor		ORDER CODE	
SIZE/TYPE		1210		STATUS	
				Valid	

Typical Inductance vs. Current Characteristics:

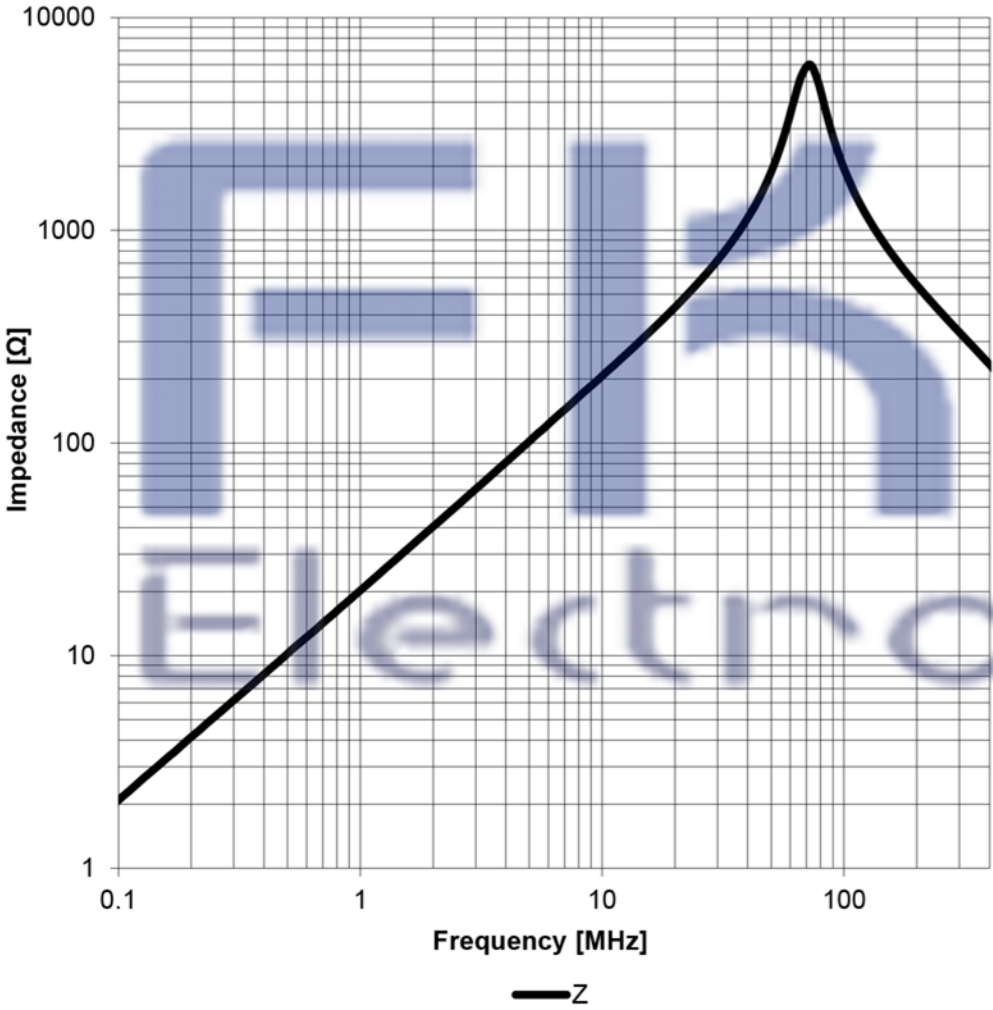


Typical Temperature Rise vs. Current Characteristics:



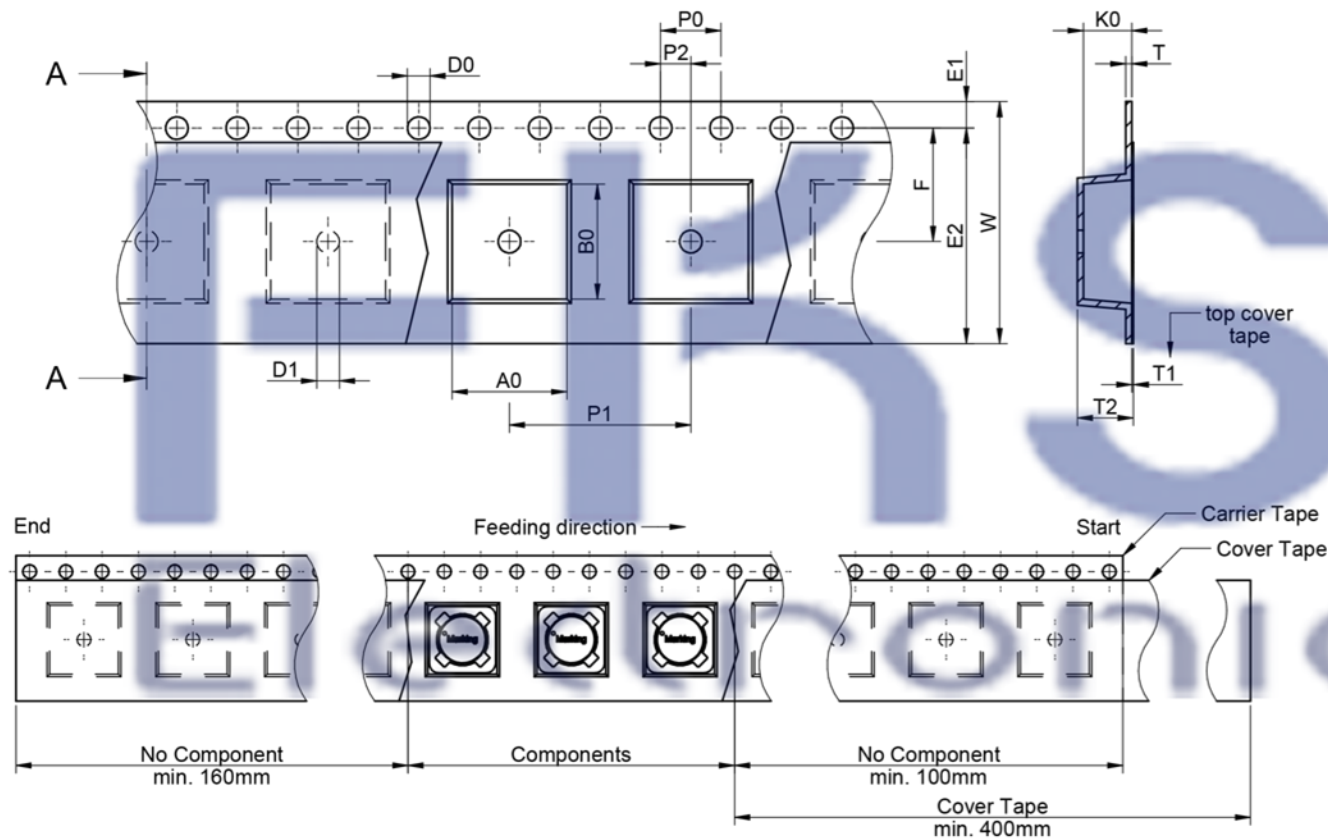
 RoHS COMPLIANT  REACH COMPLIANT  HALOGEN FREE  AEC Q200  125 °C GRADE 1				DATE (YYYY-MM-DD) 2019-02-15		GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 			
  Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. Address:Building B1,The West Cloud Valley, Fengxi New City, Xixian New Area,Xianyang City,Shaanxi Province,China. Tel:0086 29 8868 5333 Fax:0086 29 8868 0913 Http://www.fks-tech.com						DESCRIPTION SMT Shielded Power Inductor			ORDER CODE FKS7847709033		
						SIZE/TYPE 1210			STATUS Valid		

Typical Impedance Characteristics:



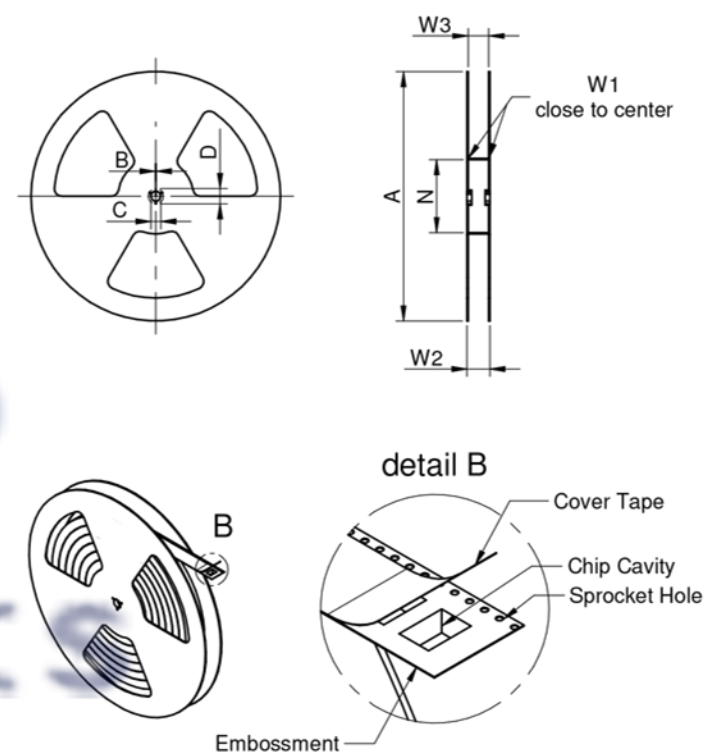
 				DATE (YYYY-MM-DD) 2019-02-15		GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 	
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. Address:Building B1,The West Cloud Valley, Fengxi New City, Xixian New Area,Xianyang City,Shaanxi Province,China. Tel:0086 29 8868 5333 Fax:0086 29 8868 0913 Http://www.fks-tech.com				DESCRIPTION SMT Shielded Power Inductor			ORDER CODE FKS7847709033		
				SIZE/TYPE 1210			STATUS Valid		

Packaging Specification - Tape and Reel: [mm]

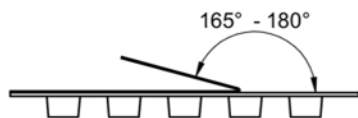


packaging is referred to the international standard IEC 60286-3:2013

		A0	B0	W	T	T1	T2	K0	P0	P1	P2	D0	D1	E1	E2	F	Tape Type 2a	VPE / packaging unit
tolerance		typ.	typ.	+0,3/- 0,1	max.	max.	typ.	typ.	±0,1	±0,1	±0,1/- 0,0		min.	±0,1	min.	±0,1		pcs.
size	1210	12.40	12.4	24.0	0.6	0.1	10.9	10.3	4.0	20.0	2.0	1.5	1.5	1.75	22.25	11.5	Polystyrene	250



		A	B	C	D	N	W1	W2	W3	W3
Tolerance		± 2,0	min.	min.	min.	± 2,0	+ 2	max.	min.	max.
Tape width	24mm	330.00	1.50	12.80	20.20	60.00	24.40	30.40	23.90	27.40



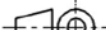
		Pull-of force
Tape width	24 mm	0,1 N - 1,3 N



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DESCRIPTION	SMT Shielded Power Inductor			ORDER CODE
				FKS7847709033
SIZE/TYPE				STATUS
1210				Valid