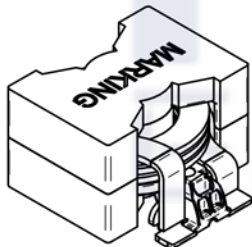
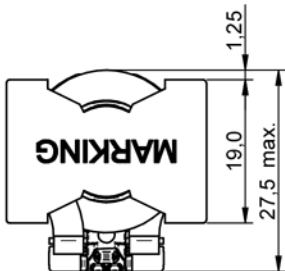
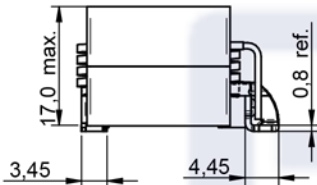
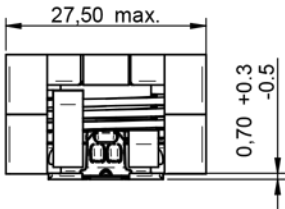
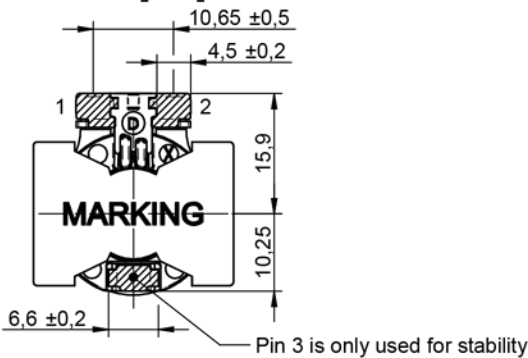


Dimensions: [mm]

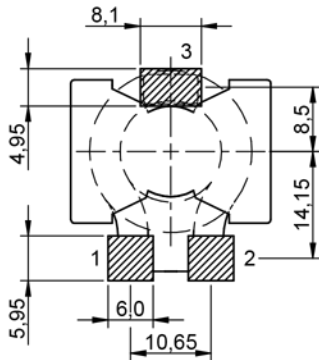


Scale - 1:1

Marking

78436432047

Recommended Hole Pattern: [mm]



Scale - 1:1

Schematic:



Electrical Properties:

Properties		Test conditions	Value	Unit	Tol.
Inductance	L	100 kHz/ 5 mA	4.7	µH	±15%
Rated Current	I _R	ΔT = 50 K	38	A	typ.
Saturation Current	I _{SAT}	IΔL/L < 10 %	33	A	
DC Resistance	R _{DC}	@ 20 °C	1.1	mΩ	±10%
Self Resonant Frequency	f _{res}		28	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 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 +100 °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	



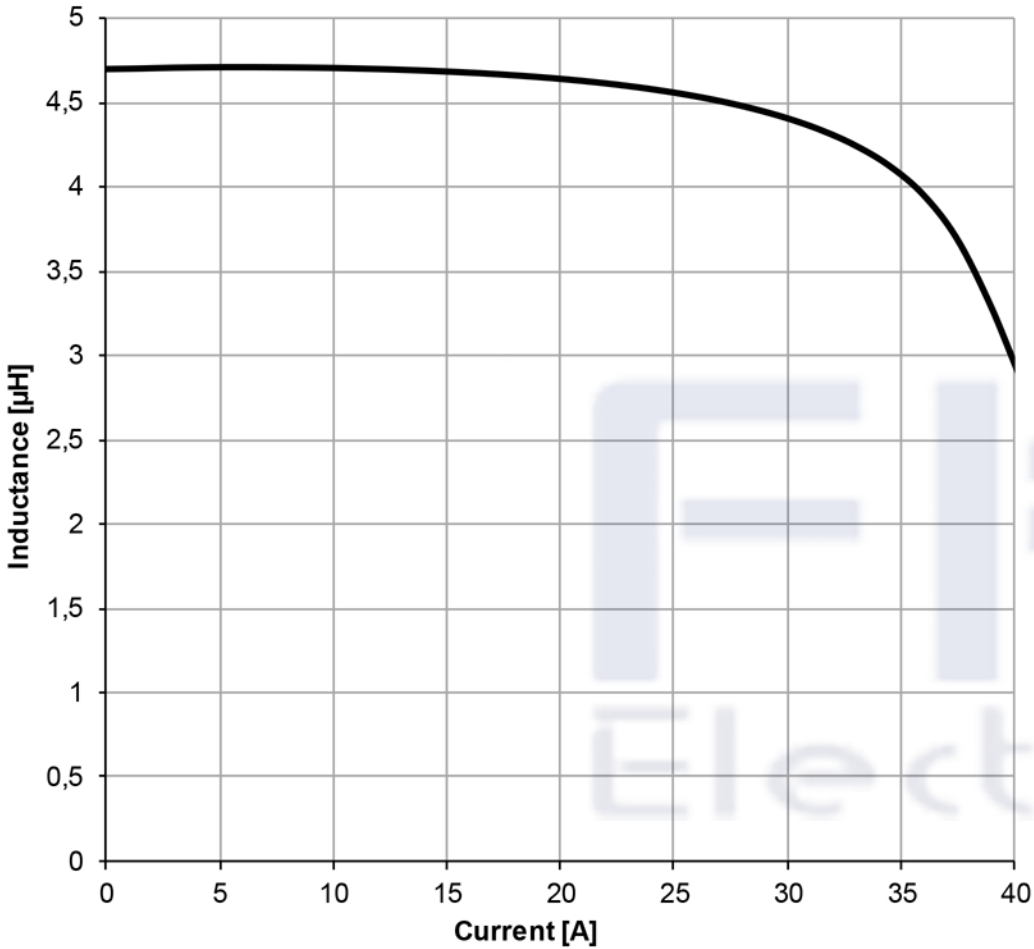
FKS
Electronics



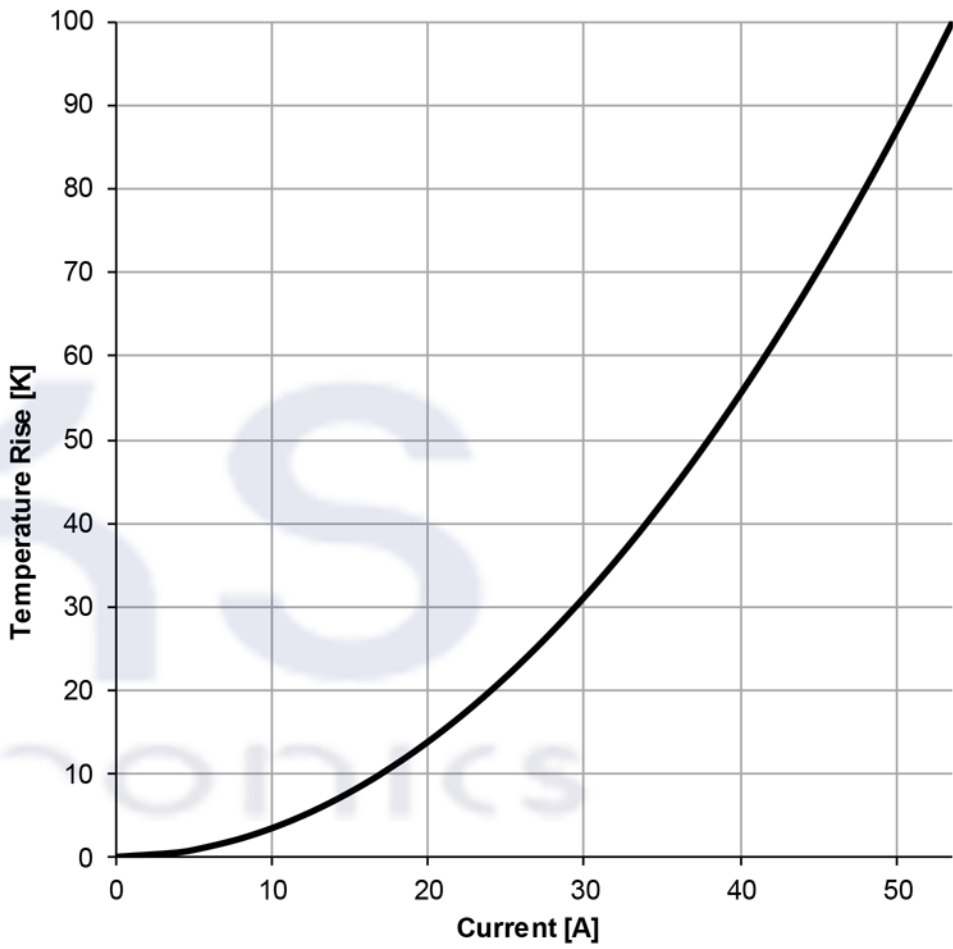
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
Address:Building B1,The West Cloud Valley, Fengxi New City,
Xixian New Area,Xianyang City,Shaanxi Province,China.
Tel:0086 29 8868 5333 Fax:0086 29 8868 0913
[Http://www.fks-tech.com](http://www.fks-tech.com)

DATE (YYYY-MM-DD)	2019-06-18	GENERAL TOLERANCE	DIN ISO 2768-1m	PROJECTION METHOD	
DESCRIPTION		High Current Flat Wire Inductor		ORDER CODE	
SIZE/TYPE		2818		STATUS	
				Valid	

Typical Inductance vs. Current Characteristics:

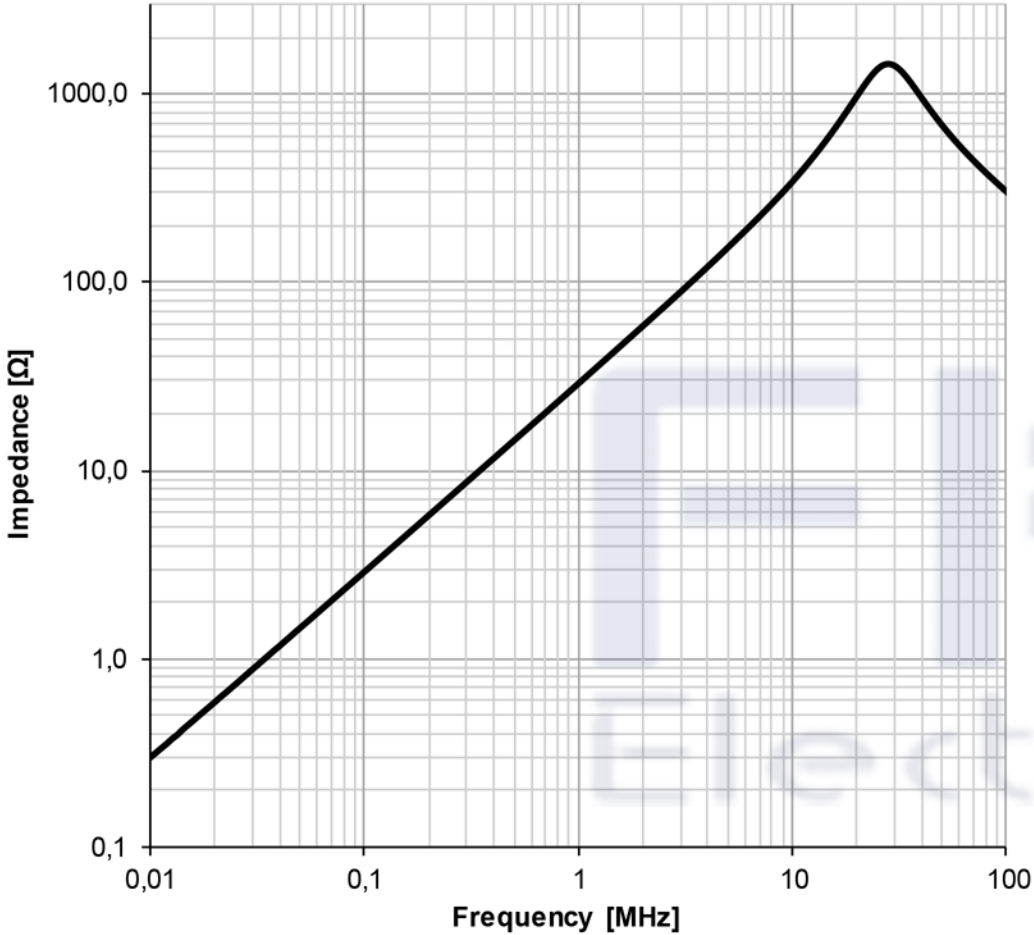


Typical Temperature Rise vs. Current Characteristics:



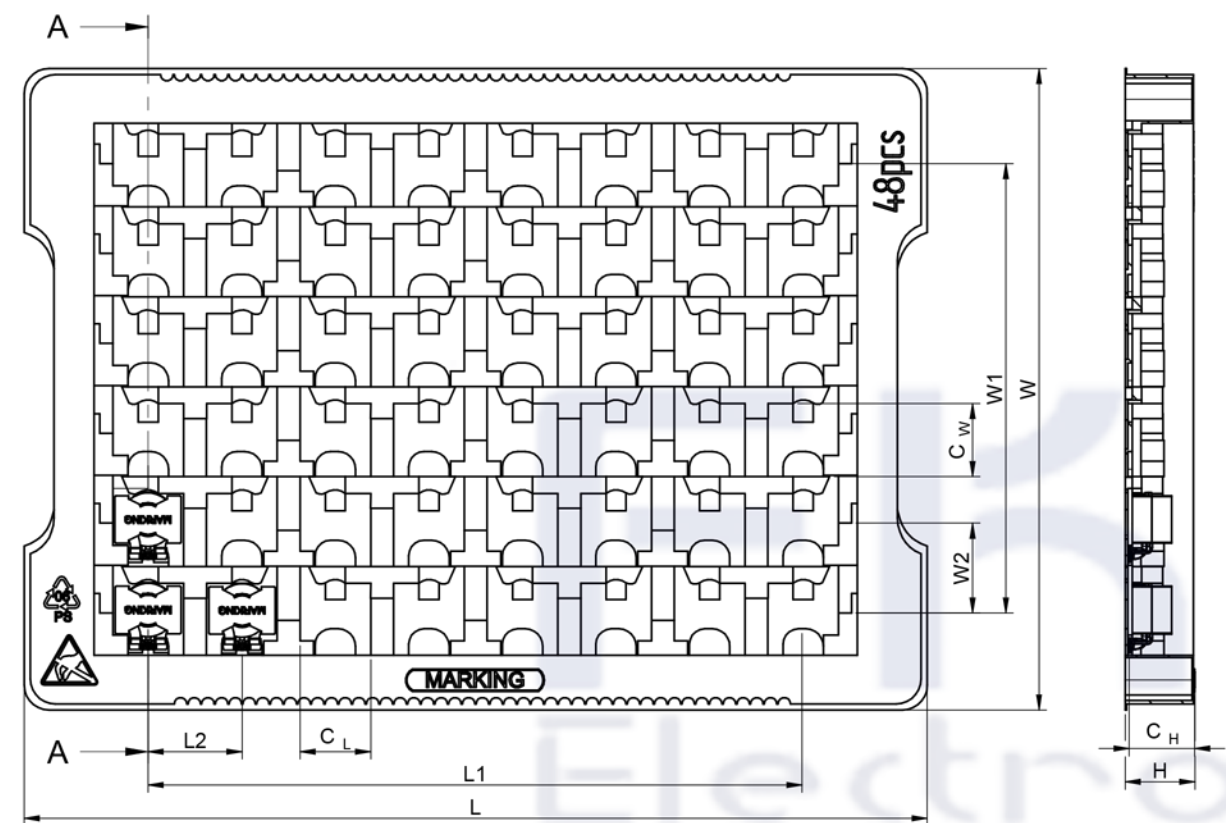
 RoHS COMPLIANT  REACH COMPLIANT  HALOGEN FREE  AEC Q200  125 °C GRADE 1				DATE (YYYY-MM-DD) 2019-06-18		GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 			
  Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. Address:Building B1,The West Cloud Valley, Fengxi New City Xixian New Area,Xianyang City,Shaanxi Province,China. Tel:0086 29 8868 5333 Fax:0086 29 8868 0913 Http://www.fks-tech.com						DESCRIPTION High Current Flat Wire Inductor			ORDER CODE FKS78436432047		
						SIZE/TYPE 2818			STATUS Valid		

Typical Impedance Characteristics:

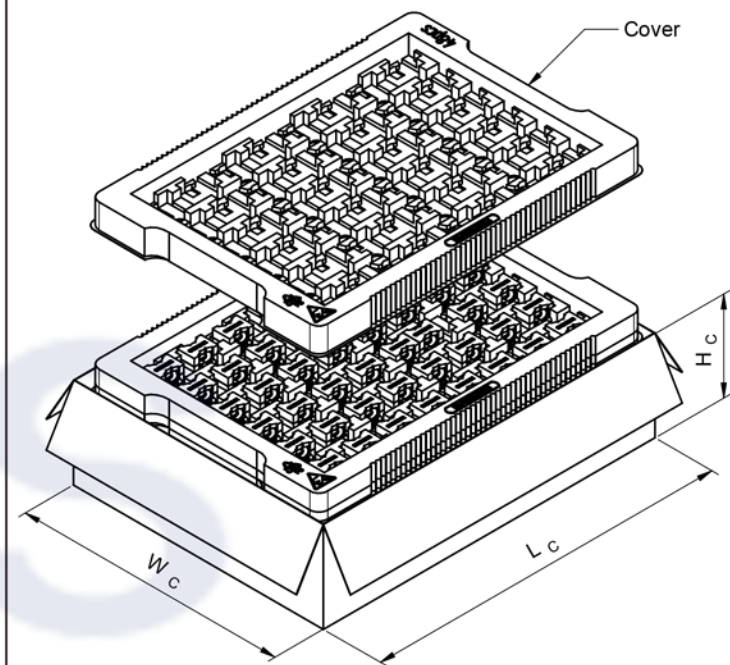


				DATE (YYYY-MM-DD) 2019-06-18		GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 	
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. Address:Building B1,The West Cloud Valley, Fengxi New City, Xixian New Area,Xianyang City,Shaanxi Province,China. Tel:0086 29 8868 5333 Fax:0086 29 8868 0913 Http://www.fks-tech.com				DESCRIPTION High Current Flat Wire Inductor			ORDER CODE FKS78436432047		
				SIZE/TYPE 2818			STATUS Valid		

Packaging Specification - Tray and Carton: [mm]



L (mm)	L1 (mm)	L2 (mm)	C ₁ (mm)	W (mm)	W1 (mm)	W2 (mm)	C _w (mm)	H (mm)	C _H (mm)	Qty. (pcs.)	Material
typ.	typ.	typ.	typ.	typ.	typ.	typ.	typ.	typ.	typ.		
362,00	262,50	37,50	28,30	257,00	178,40	35,00	28,80	28,00	27,30	48	PET



L _c (mm)	W _c (mm)	H _c (mm)	No. of Tray	Qty. pcs	Material
typ.	typ.	typ.	pcs.	pcs.	
365	275	100	4	48	Paper





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

GENERAL TOLERANCE
DIN ISO 2768-1m

PROJECTION METHOD


DESCRIPTION
High Current Flat Wire Inductor

ORDER CODE
FKS78436432047

SIZE/TYPE
2818

STATUS
Valid