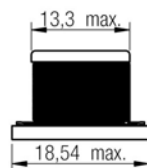
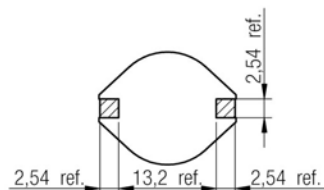


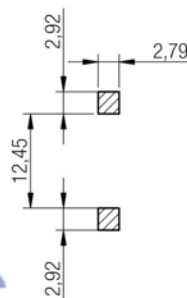
A Dimensions: [mm]



Scale - 1:1

Reference on drawing	Description
•	Start of winding
Marking	802 (Inductance Code)

B Recommended land pattern: [mm]



Scale - 2:1

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D Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance	100 kHz/ 100 mV	L	8.0	mH	± 10%
Capacitance		C	19	pF	ref.
DC Resistance	@ 20°C	R _{DC}	8.0	Ω	max.
DC Resistance	@ 20°C	R _{DC}	6.8	Ω	typ.
Rated current	ΔT = 40K	I _R	0.35	A	max.
Saturation current	I _{ΔL/L} < 10%	I _{sat}	0.6	A	typ.
Self resonant frequency		f _{res}	410	kHz	min.

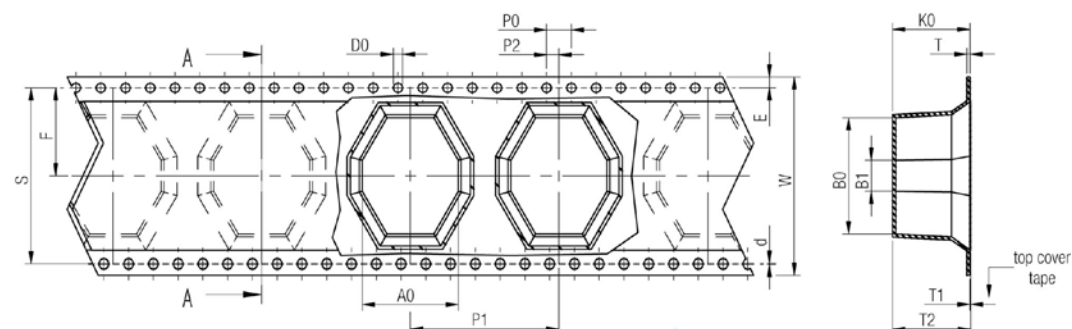
E General information:

It is recommended that the temperature of the part does not exceed 125°C under worst case operating conditions.

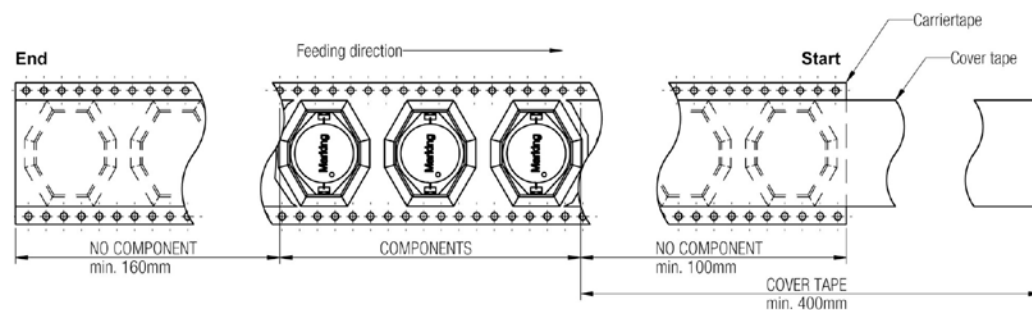
- Ambient temperature: -40°C to +85°C (referring to I_R)
- Operating temperature: -40°C to +125°C
- Storage temperature (on tape & reel): -20°C to +40°C; 75% RH max.
- Test conditions of Electrical Properties: 20°C, 33% RH if not specified differently

				Projection 	DESCRIPTION
					SMD Wire Wound Inductor
				Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913	Order.- No. • FKS74458308
				FKS Electronics 	COMPLIANT RoHS&REACH
				DATE	SIZE A4
					Size: Type L (Actuator)

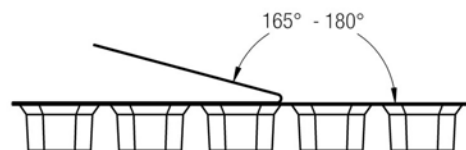
G Packaging Specification - Tape and Reel [mm]:



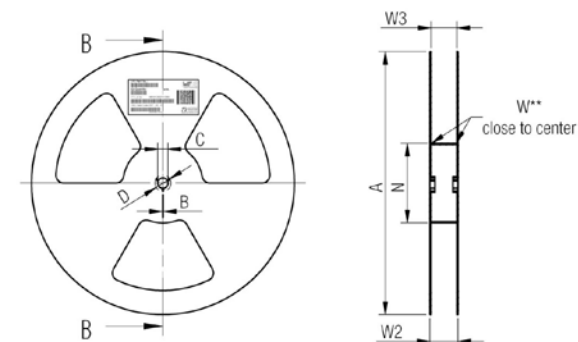
	A0	B0	B1	W	T	T1	T2	K0	d	D0	E	S	F	P0	P1	P2	VPE / packaging unit
tolerance	typ.	typ.	typ.	± 0,3	± 0,05	typ.	max.	typ.	± 0,05	+0,1 -0,0	± 0,1	± 0,1	± 0,1	± 0,1	± 0,1	± 0,1	
size	7445830x	15,74	19,04	5,00	32,00	0,50	0,10	12,50	12,40	0,20	1,50	1,75	28,40	14,20	4,00	24,00	200



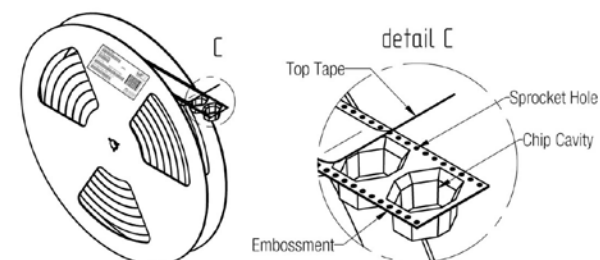
Packaging is referred to the international standard IEC 60286 -3:2007



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

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	A	B	C	D	N	W1	W2	W3	W3
tolerance	± 2,0	min.	± 0,8	min.	± 2,0	+ 1,5	max.	min.	max.
Tape width	32 mm	330,00	1,50	13,00	20,20	100,00	32,40	38,40	31,90 35,40



Projection



2015-07-01

Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
FKS(Xi'an) Electronic Technology Co.,Ltd.
Address: B1 Building,Western Cloud Valley,Fengxi New Town,
Xixian New Area,Xi'an City, Shaanxi Province,China.
Tel: +86-29-8868 5333
Fax: +86-29-8868 0913

FKS
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DESCRIPTION

SMD Wire Wound Inductor

Order.- No.

FKS74458308



SIZE

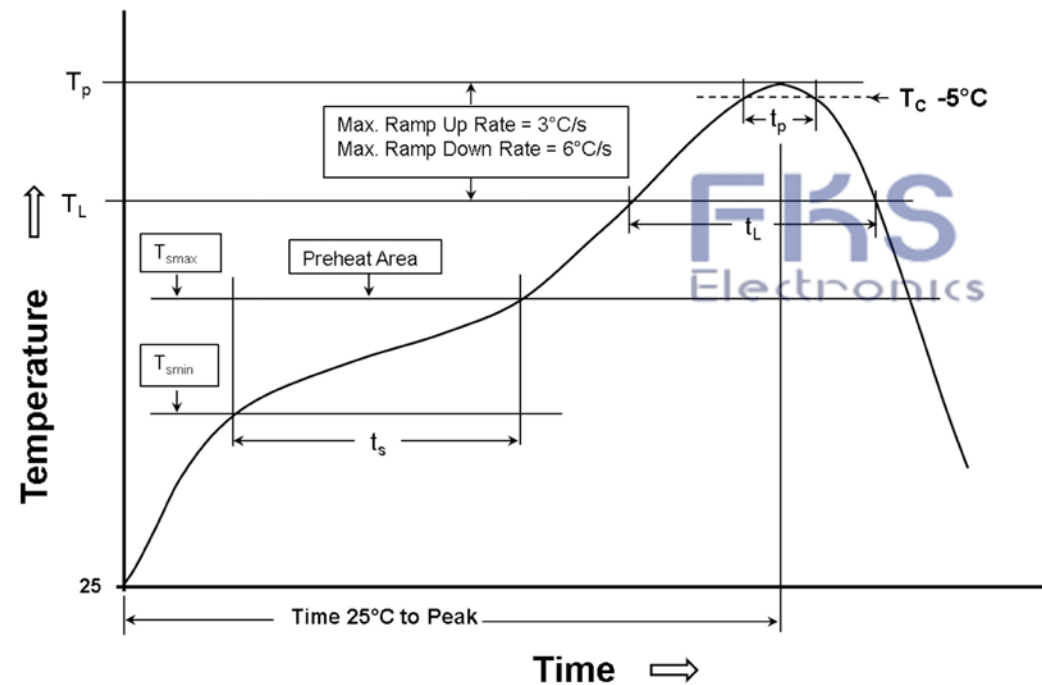
A4

Size: Type L (Actuator)

H Soldering Specifications:



H1: Classification Reflow Profile for SMT components:



H2: Classification Reflow Profiles

Profile Feature	Pb-Free Assembly
Preheat - Temperature Min (T_{smin}) - Temperature Max (T_{smax}) - Time (t_s) from (T_{smin} to T_{smax})	150°C 200°C 60-120 seconds
Ramp-up rate (T_L to T_P)	3°C/ second max.
Liquidous temperature (T_L) Time (t_L) maintained above T_L	217°C 60-150 seconds
Peak package body temperature (T_P)	See Table H3
Time within 5°C of actual peak temperature (t_p)	20-30 seconds
Ramp-down rate (T_P to T_L)	6°C/ second max.
Time 25°C to peak temperature	8 minutes max.

refer to IPC/JEDEC J-STD-020D

H3: Package Classification Reflow Temperature

	Package Thickness	Volume mm ³ <350	Volume mm ³ 350 - 2000	Volume mm ³ >2000
PB-Free Assembly	< 1.6 mm	260°C	260°C	260°C
PB-Free Assembly	1.6 - 2.5 mm	260°C	250°C	245°C
PB-Free Assembly	≥ 2.5 mm	250°C	245°C	245°C

refer to IPC/JEDEC J-STD-020D

				Projection 	DESCRIPTION SMD Wire Wound Inductor
	2015-07-01			Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913 	
					Order.- No. FKS74458308
					SIZE A4
	DATE				Size: Type L (Actuator)