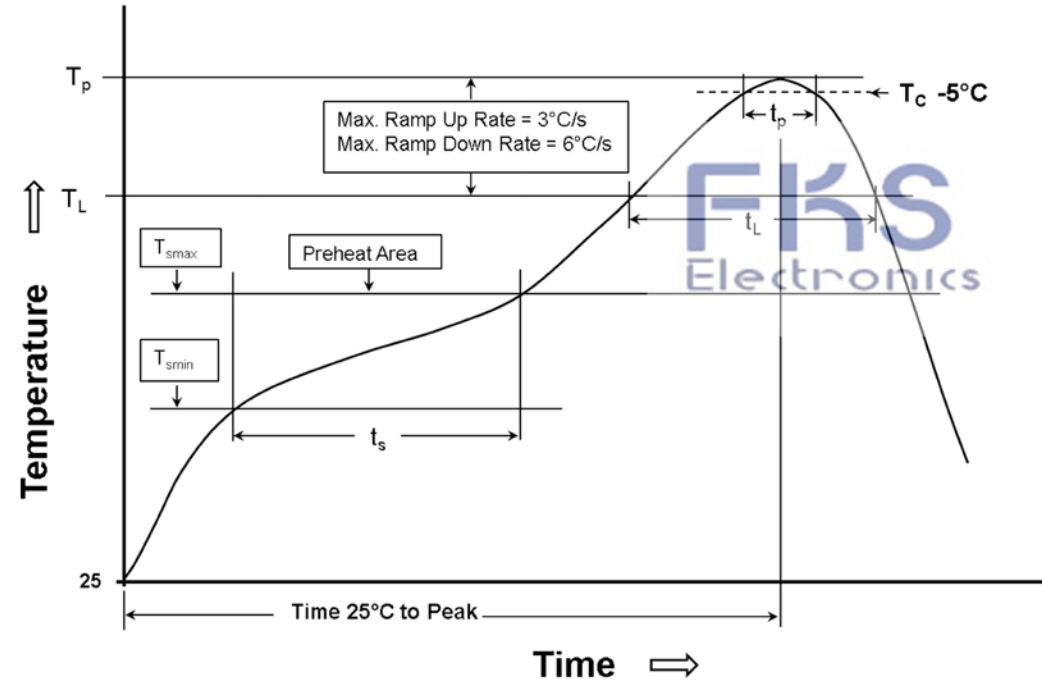


H Soldering Specifications:

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Xixian New Area,Xi'an City, Shaanxi Province,China.
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Fax: +86-29-8868 0913



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

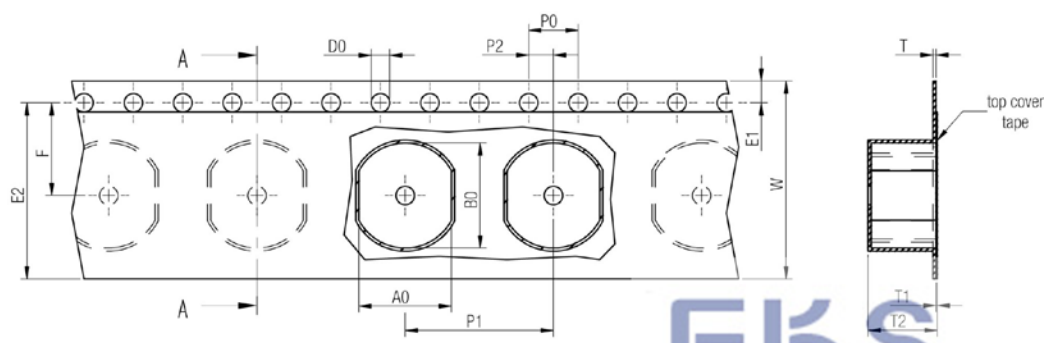
H3: Package Classification Reflow Temperature

	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

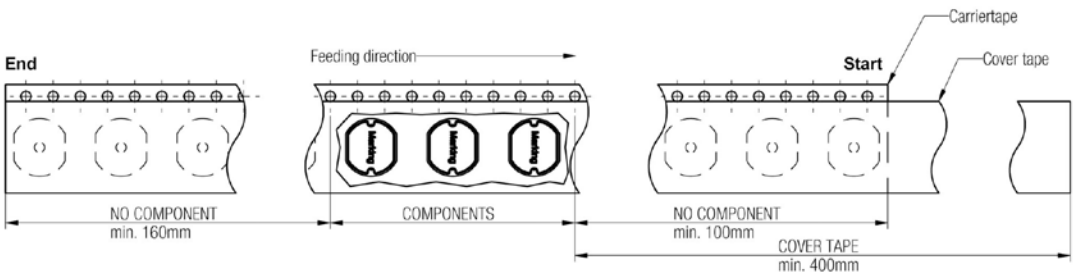
refer to IPC/JEDEC J-STD-020D

				Projection 		DESCRIPTION	
						SMD Wire Wound Inductor	
	2014-11-12			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. FKS744775360	COMPLIANT RoHS&REACH
				FKS Electronics		Size: Sensor	SIZE A4
	DATE						

G Packaging Specification - Tape and Reel [mm]:

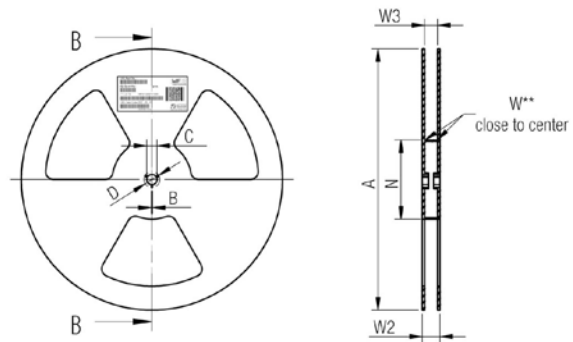


		A0	B0	W	P1	T	T1	T2	D0	E1	E2	F	P0	P2	VPE/ packaging unit
tolerance		typ.	typ.	+0,3 -0,1	± 0,1	± 0,1	max.	typ.	+0,1 -0,0	± 0,1	min.	± 0,05	± 0,1	± 0,05	
size	Sensor	7,50	8,50	16,00	12,00	0,50	0,10	5,50	1,50	1,75	14,25	7,50	4,00	2,00	500
	M	9,50	10,70	24,00	16,00	0,50	0,10	7,00	1,50	1,75	22,25	11,50	4,00	2,00	500

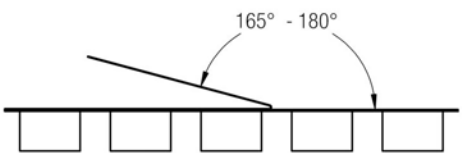
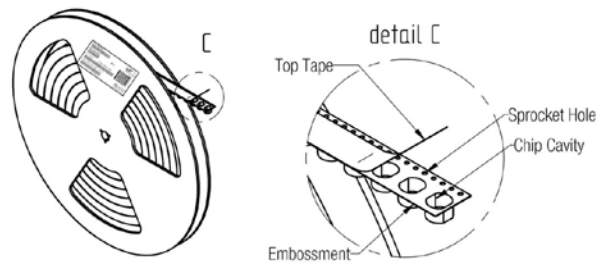


Packaging is referred to the international standard IEC 60286 -3:2007

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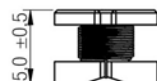
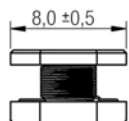
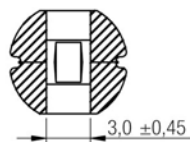


		A	B	C	D	N	W1	W2	W3	W3
tolerance			min.	± 0,8	min.	min.	+ 1,5	max.	min.	max.
Tape width	16 mm	330,00	1,50	13,00	20,20	100,00	16,40	22,40	15,90	19,40
	24 mm	330,00	1,50	13,00	20,20	100,00	24,40	30,40	23,90	27,40



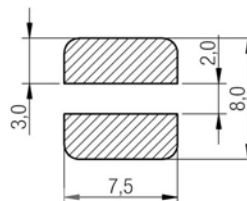
	Pull-of force
Tape width	16 mm 0,1 N - 1,3 N
	24 mm 0,1 N - 1,3 N

2014-11-12	Projection	DESCRIPTION
		SMD Wire Wound Inductor
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	FKS Electronics	FKS744775360
DATE		Size: Sensor
		COMPLIANT RoHS&REACH
		SIZE
		A4

A Dimensions: [mm]

Scale - 2:1

Reference on drawing	Description
•	Start of winding
Marking	602 (Inductance Code)

B Recommended land pattern: [mm]

Scale - 2:1

FKS
Electronics

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FKS
Electronics**D Electrical Properties:**

Properties	Test conditions		Value	Unit	Tol.
Inductance	1 kHz/ 250 mV	L	6.0	mH	± 10%
Capacitance		C	12	μF	ref.
DC Resistance	@ 20°C	R _{DC}	18.0	Ω	max.
DC Resistance	@ 20°C	R _{DC}	16.7	Ω	typ.
Rated current	ΔT = 40K	I _R	0.18	A	max.
Saturation current	IΔL/L < 10%	I _{sat}	0.09	A	typ.
Self resonant frequency		f _{res}	600	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_p)
- 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
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				FKS Electronics 	COMPLIANT RoHS&REACH
					SIZE A4
	DATE				Size: Sensor