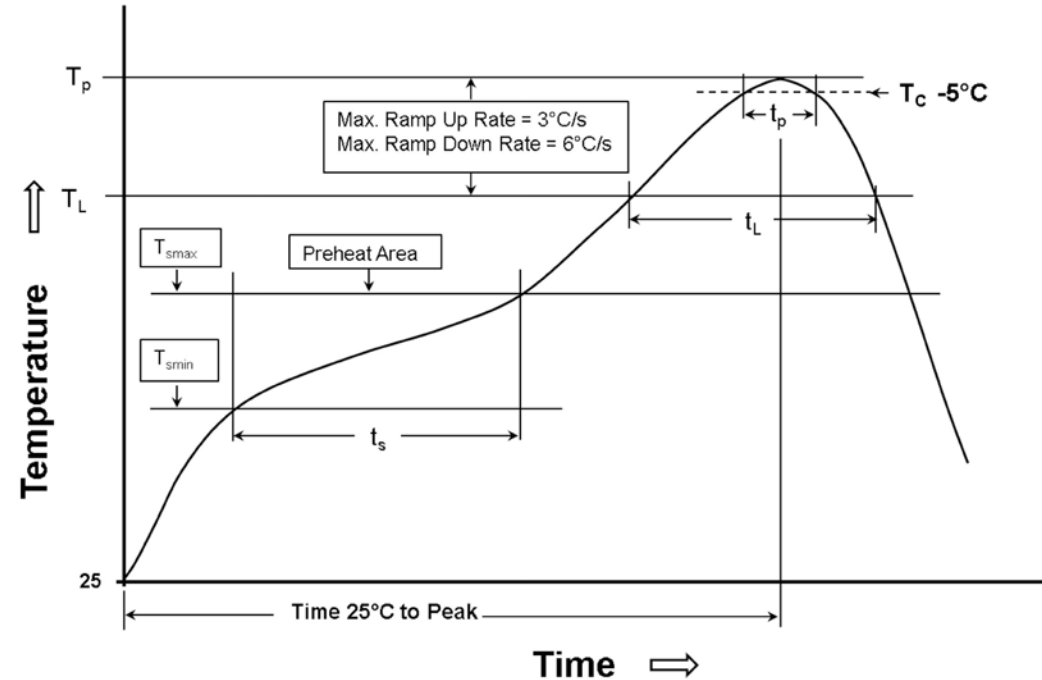


H Soldering Specifications:

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



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

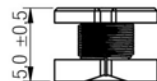
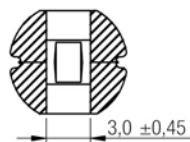
	Package Thickness	Volume mm ³ <350	Volume mm ³ 350 - 2000	Volume mm ³ >2000
PB-Free Assembly	< 1.6 mm	260°C	260°C	260°C
PB-Free Assembly	1.6 - 2.5 mm	260°C	250°C	245°C
PB-Free Assembly	≥ 2.5 mm	250°C	245°C	245°C

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. FKS744775318	COMPLIANT RoHS&REACH WÜRTH ELEKTRONIK
				FKS Electronics		Size: Sensor	SIZE A4
	DATE						

A4

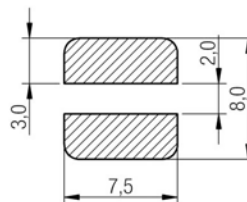
A Dimensions: [mm]



Scale - 2:1

Reference on drawing	Description
•	Start of winding
Marking	183 (Inductance Code)

B Recommended land pattern: [mm]



Scale - 2:1

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FKS
Electronics



D Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance	1 kHz/ 250 mV	L	18	mH	± 10%
Capacitance		C	9	μF	ref.
DC Resistance	@ 20°C	R _{DC}	72.0	Ω	max.
DC Resistance	@ 20°C	R _{DC}	57.7	Ω	typ.
Rated current	ΔT = 40K	I _R	0.08	A	max.
Saturation current	IΔL/LI < 10%	I _{sat}	0.05	A	typ.
Self resonant frequency		f _{res}	400	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	
	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. FKS744775318	
				 	 COMPLIANT RoHS&REACH WÜRTH ELEKTRONIK	SIZE A4
	DATE				Size: Sensor	