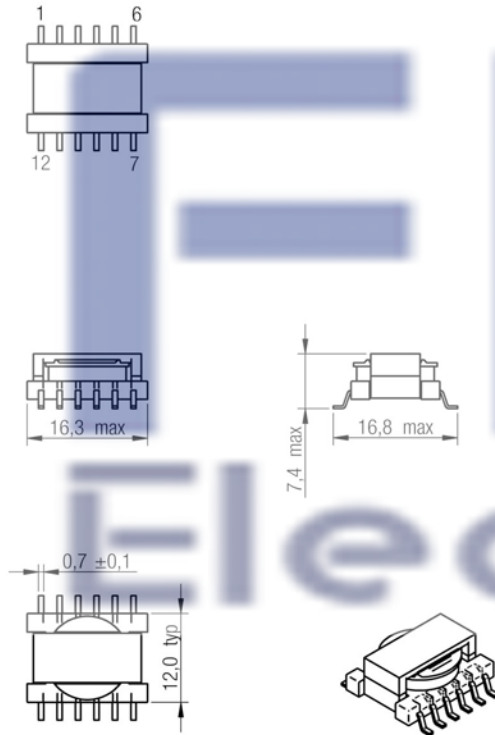
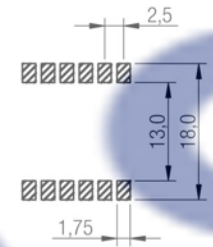


A Dimensions: [mm]



Scale - 1:1

B Recommended land pattern: [mm]



Scale - 1:1

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D Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance base	10 kHz/ 1 V	L_{base}	11.6	μ H	$\pm 20\%$
Turns ratio	N1:N2:N3:N4:N5:N6	n	1:1:1:1:1:1		
Rated Current base	$\Delta T = 40K$	$I_{R base}$	0.95	A	typ.
Saturation Current base	$I_{\Delta L/LI} < 10\%$	$I_{sat base}$	0.84	A	typ.
DC Resistance base	@ 20°C	$R_{DC base}$	159	m Ω	max.
Voltage- μ Second base		$f Udt_{base}$	48.3	μ Vs	max.
Leakage Inductance base	10 kHz/ 1 V	$L_s base$	0.17	μ H	typ.
Insulation test voltage	3 mA/1 s	U_T	500	V (AC)	

- 1) Inductance of a single winding
- 2) Rated Current of a single winding
- 3) Saturation Current of a single winding when all windings are driven.
 If not all windings are current driven the Saturation current per winding is
 $6 \times I_{sat base} / \text{number of driven windings}$
- 4) DC Resistance of a single winding

E General information:

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

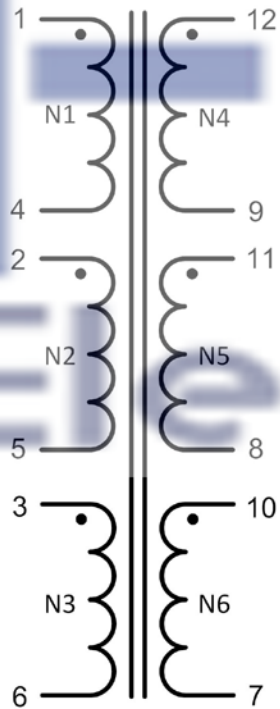
- Storage Temperature: -40°C to +85°C
- Operating Temperature: -40°C to +125°C
- Test conditions of Electrical Properties: 20°C, 33% RH if not specified differently

				Projection 	DESCRIPTION
					Flexible Transformer for DC/DC Converter
				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. FKS749196221
				DATE	SIZE A4
					Size: ER14.5/6

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C Schematic:



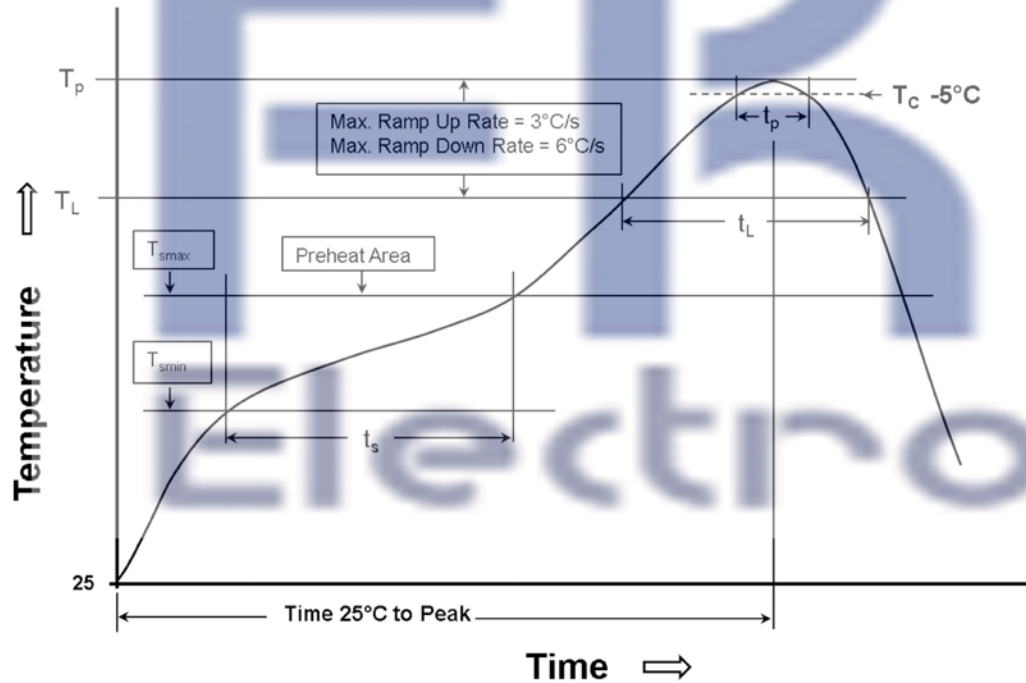
				Projection 	DESCRIPTION
					Flexible Transformer for DC/DC Converter
				Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913	Order.- No. FKS749196221
					COMPLIANT RoHS&REACH
				DATE	SIZE A4
					Size: ER14.5/6

H Soldering Specifications:

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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
					Flexible Transformer for DC/DC Converter
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				DATE	SIZE A4
					Size: ER14.5/6