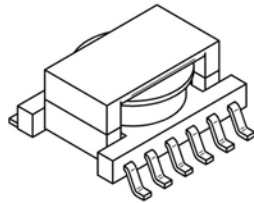
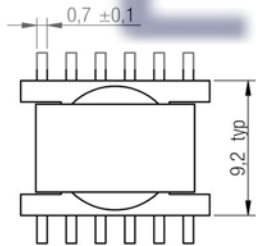
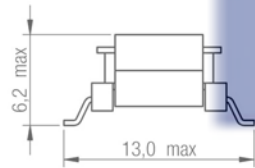
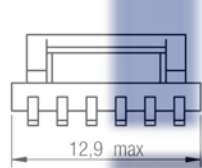
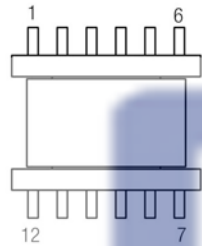
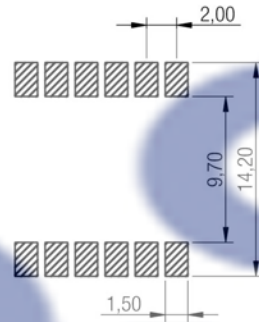


**A Dimensions: [mm]**



Scale - 2:1

**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/ 100 mV	$L_{base}$	8,5	$\mu H$	$\pm 20\%$
Turns ratio	N1:N2:N3:N4:N5:N6	n	1:1:1:1:1:1		
Rated Current base	$\Delta T = 40K$	$I_{R base}$	0,55	A	typ.
Saturation Current base	$I_{\Delta L/L} < 10\%$	$I_{sat base}$	0,96	A	typ.
DC Resistance base	@ 20°C	$R_{DC base}$	344	m $\Omega$	max.
Voltage- $\mu$ Second base		$f_{Udt base}$	32,9	$\mu Vs$	max.
Leakage Inductance base	100 kHz/ 100 mV	$L_s base$	0,21	$\mu H$	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.

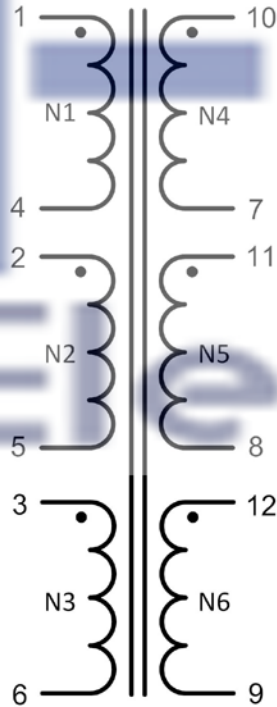
- Storage Temperature: -40°C to +85°C
- Operating Temperature: -40°C to +125°C
- Test conditions of Electrical Properties: 20°C, 33% RH if not specified differently

				Projection 	DESCRIPTION
					<b>Flexible Transformer for DC/DC Converter</b>
				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. FKS749196141
					COMPLIANT RoHS&REACH
				DATE	SIZE A4
					Size: ER11/5

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C Schematic:



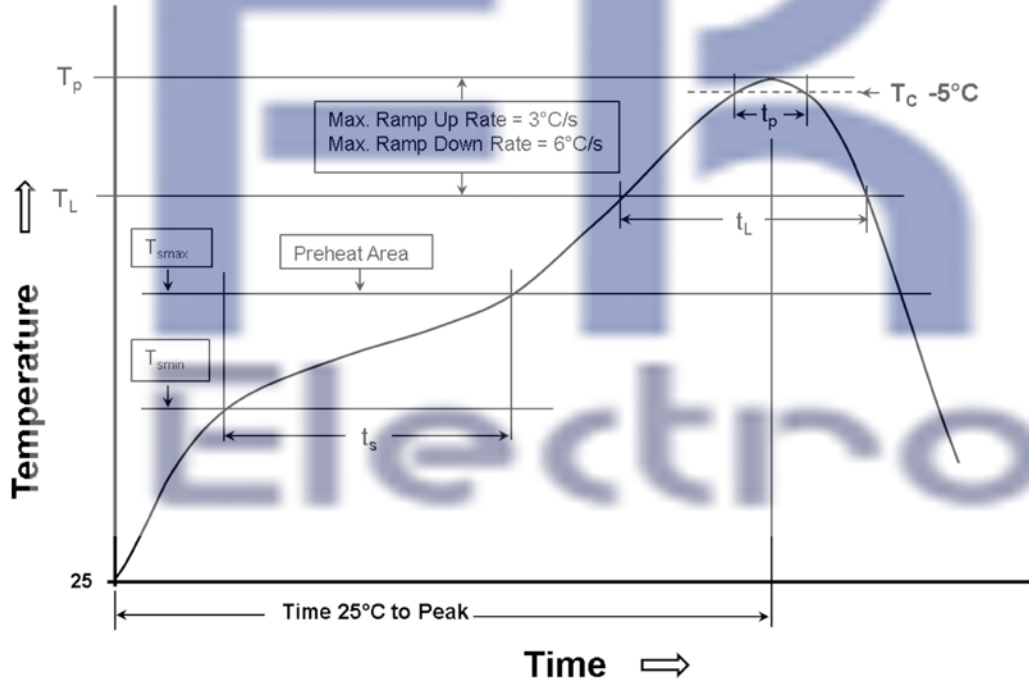
				Projection 	DESCRIPTION
					<b>Flexible Transformer for DC/DC Converter</b>
				Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913	Order.- No. FKS749196141
	2014-02-18				SIZE A4
	DATE				Size: ER11/5

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 $T_p$ )	$3^\circ C/$ 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 $5^\circ C$ of actual peak temperature ( $t_p$ )	20-30 seconds
Ramp-down rate ( $T_p$ to $T_L$ )	$6^\circ C/$ second max.
Time $25^\circ C$ 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	$\geq$ 2.5 mm	250°C	245°C	245°C

refer to IPC/JEDEC J-STD-020D

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				Order.- No. FKS749196141	COMPLIANT RoHS&REACH
					SIZE A4
					Size: ER11/5