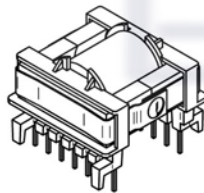
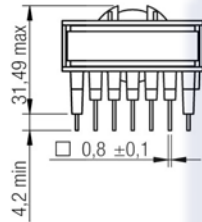
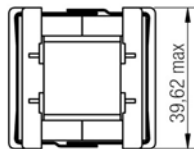
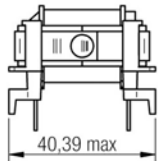
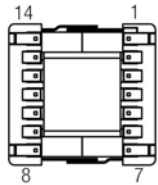
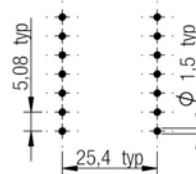


**A Dimensions: [mm]**



Scale - 1:2

**B Recommended land pattern: [mm]**



Scale - 1:2

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 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



**D Electrical Properties:**

Properties	Test conditions		Value	Unit	Tol.
Inductance base	10 kHz/ 100 mV	L <sub>base</sub>	22.0	μH	±10%
Turns ratio	N1:N2:N3:N4:N5:N6	n	1:1:1:1:1:1		
Rated Current base	ΔT = 40K	I <sub>R base</sub>	2.5	A	typ.
Saturation Current base	IΔL/L < 10%	I <sub>sat base</sub>	2.91	A	typ.
DC Resistance base	@ 20°C	R <sub>DC base</sub>	51	mΩ	max.
Leakage Inductance base	100 kHz/ 100 mV	L <sub>s base</sub>	0.32	μH	typ.
Insulation test voltage	3 mA/1 s	U <sub>T</sub>	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
- 5) Insulation test voltage: between all windings

**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>
					Order.- No. <b>FKS749197241</b>
					SIZE A4
					Size: ETD34

2014-02-18

DATE

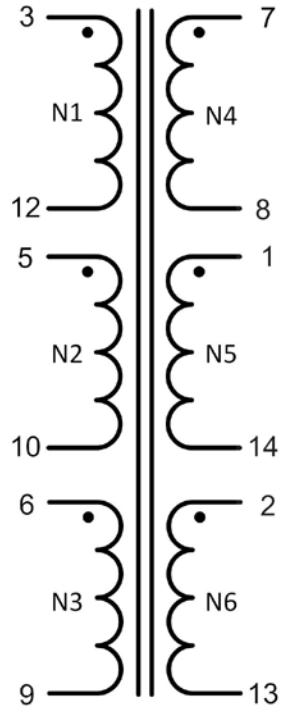
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.  
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C Schematic:



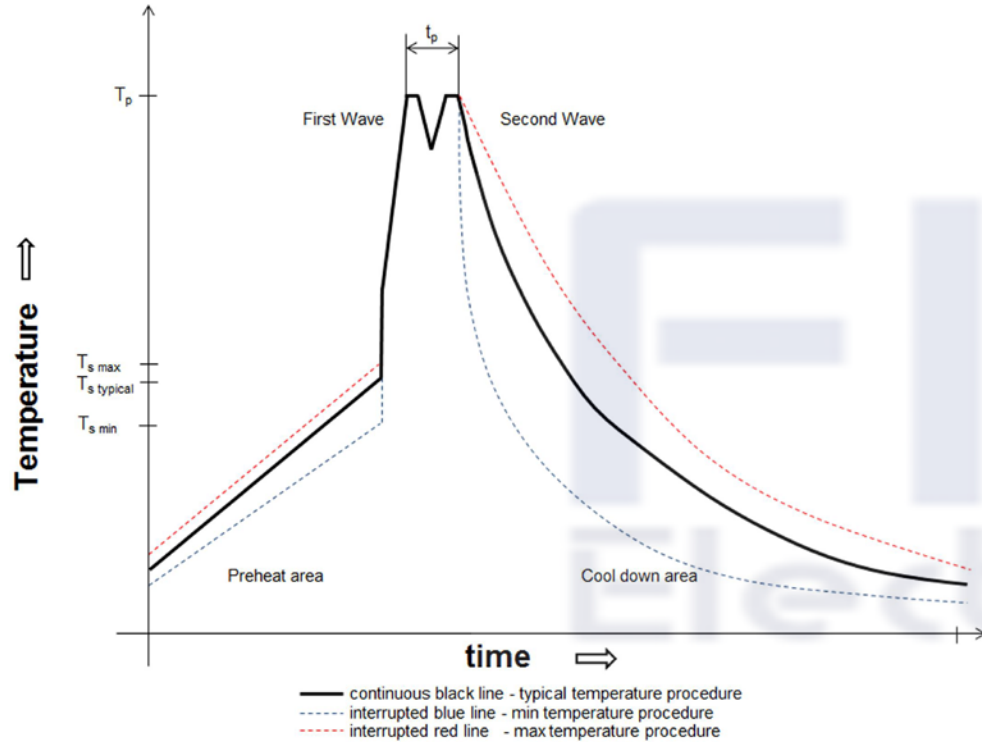
				Projection 	DESCRIPTION
					<b>Flexible Transformer for DC/DC Converter</b>
				Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913	Order.- No.
		2014-02-18			<b>FKS749197241</b>
					SIZE
					A4
		DATE			Size: ETD34

## H Soldering Specifications:

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### H4: Classification Wave Soldering Profile:



### H5: Classification Wave Profile

Profile Feature	Pb-Free Assembly	Sn-Pb Assembly
Preheat - Temperature Min ( $T_{smin}$ ) - Temperature Typical ( $T_{stypical}$ ) - Temperature Max ( $T_{smax}$ ) - Time ( $t_p$ ) from ( $T_{smin}$ to $T_{smax}$ )	100°C 120°C 130°C 70 seconds	100°C 120°C 130°C 70 seconds
$\Delta$ preheat to max Temperature	150°C max.	150°C max.
Peak temperature ( $T_p$ )	250°C - 260°C	235°C - 260°C
Time of actual peak temperature ( $t_p$ )	max. 10 seconds max. 5 second each wave	max. 10 seconds max. 5 second each wave
Ramp-down rate - Min - Typical - Max	~ 2 K/s ~ 3.5 K/s ~ 5 K/s	~ 2 K/s ~ 3.5 K/s ~ 5 K/s
Time 25°C to 25°C	4 minutes	4 minutes

refer to EN 61760-1:2006

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					SIZE A4
		2014-02-18			Size: ETD34
		DATE			