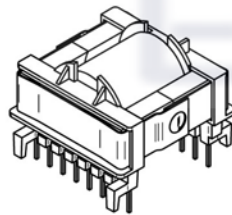
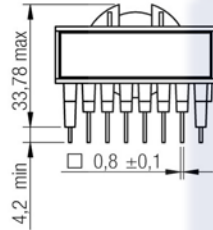
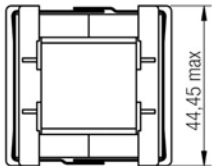
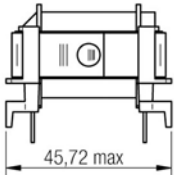
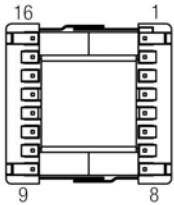
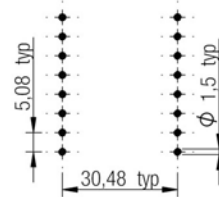


A Dimensions: [mm]

Scale - 1:2

B Recommended land pattern: [mm]

Scale - 1:2

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**D Electrical Properties:**

Properties	Test conditions		Value	Unit	Tol.
Inductance base	10 kHz/ 100 mV	L_{base}	39.4	μH	$\pm 10\%$
Turns ratio	N1:N2:N3:N4:N5:N6	n	1:1:1:1:1:1		
Rated Current base	$\Delta T = 40K$	$I_{R base}$	3.2	A	typ.
Saturation Current base	$ \Delta L/L < 10\%$	$I_{sat base}$	1.65	A	typ.
DC Resistance base	@ 20°C	$R_{DC base}$	34	m Ω	max.
Leakage Inductance base	100 kHz/ 100 mV	$L_s base$	0.35	μH	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
 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.

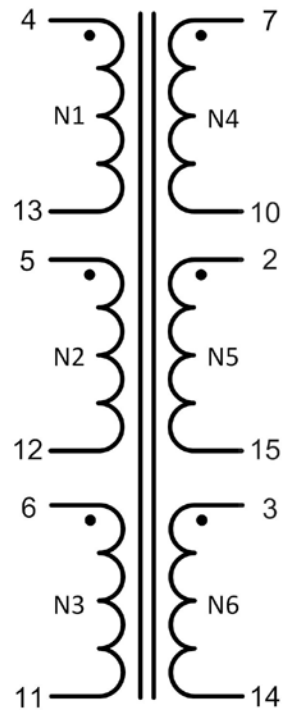
- Storage Temperature: -40°C to 85°C
- Operating Temperature: -40°C to 125°C
- Test conditions of Electrical Properties: 20°C, 33% RH
if not specified differently

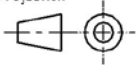
				Projection 	DESCRIPTION Flexible Transformer for DC/DC Converter
				Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913	Order.- No. FKS749197331
				FKS Electronics 	 COMPLIANT RoHS&REACH
				DATE	SIZE A4
					Size: ETD39

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C Schematic:



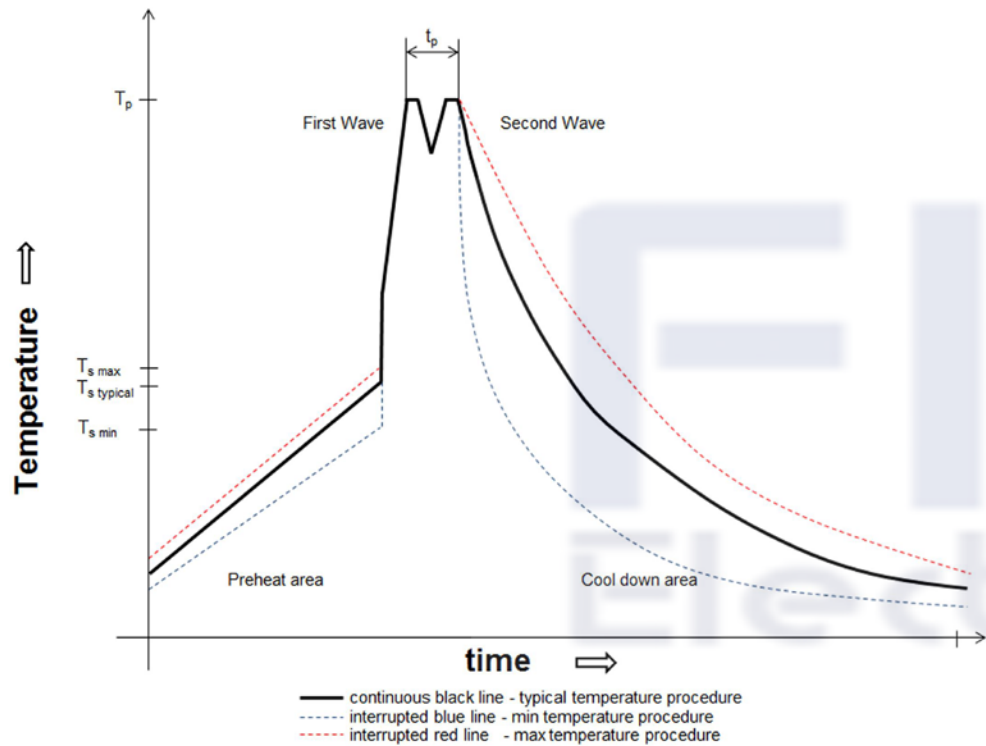
				Projection 		DESCRIPTION	
						Flexible Transformer for DC/DC Converter	
				Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913		Order.- No.	
	2014-02-18			 		FKS749197331	
						 COMPLIANT RoHS&REACH	SIZE
							A4
	DATE					Size: ETD39	

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_s) from (T_{smin} to T_{smax})	100°C 120°C 130°C 70 seconds	100°C 120°C 130°C 70 seconds
Δ 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

				Projection 		DESCRIPTION
						Flexible Transformer for DC/DC Converter
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						FKS749197331
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						Size: ETD39