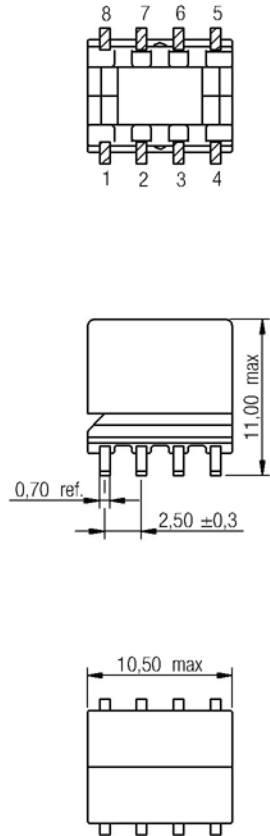
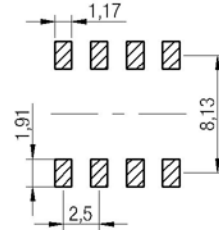


A Dimensions: [mm]

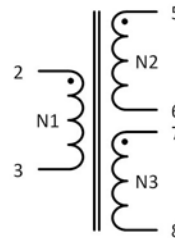


B Recommended land pattern: [mm]



Scale - 2:1

C Schematic:



Scale - 2:1

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D Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance	100 kHz/ 100 mV	L	1080	μH	min.
Leakage inductance	100 kHz/ 100 mV	L _S	5.0	μH	max.
DC Resistance 1		R _{DC}	1300	mΩ	max.
DC Resistance 2		R _{DC}	600	mΩ	max.
DC Resistance 3		R _{DC}	600	mΩ	max.
Turns ratio		n	2.5 : 1 : 1		
Voltage-μSecond	B = 280 mT	∫Udt	120	μVs	typ.
Interwinding capacitance	100 kHz/ 100 mV	C _{WW}	11.0	pF	typ.
Rated voltage		U _R	80	V (AC)	
Insulation test voltage	W1 => W2,3	U _T	2500	V (AC)	
Insulation test voltage	W2 => W3	U _T	1500	V (DC)	

E General information:

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

- Storage Temperature: -20°C to 60°C
- Operating Temperature: -40°C to 125°C
- Test conditions of Electrical Properties: 20°C, 33% RH if not specified differently

Designed to comply with the following requirements as defined by IEC61558-2-16 amendment; Basic insulation for a working voltage of 250 V_{RMS}

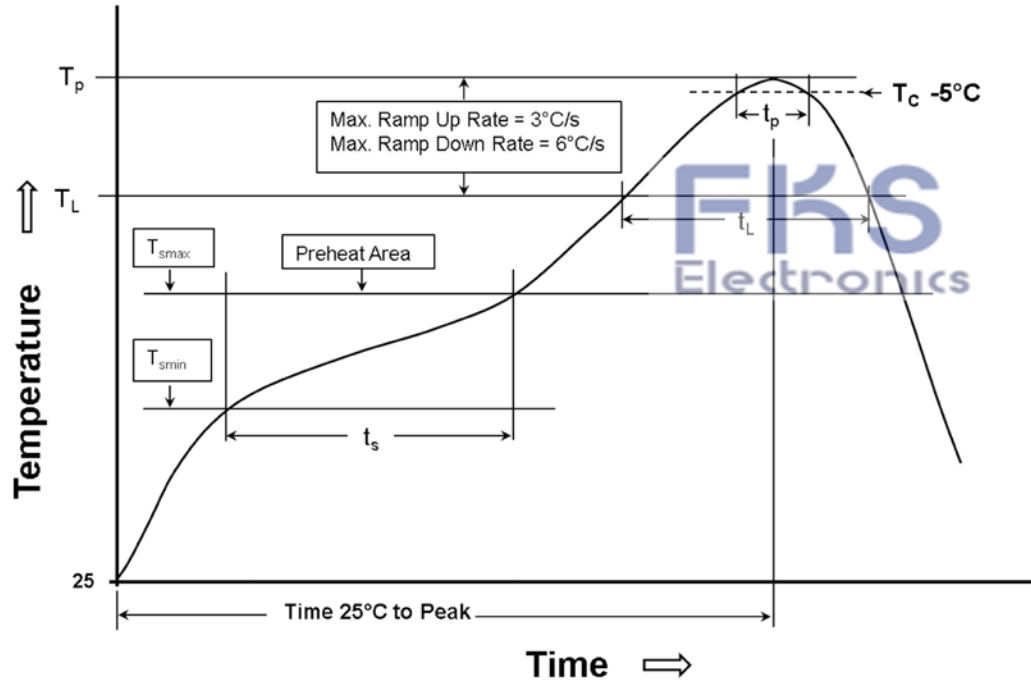
			Projection	DESCRIPTION
	2013-06-26			Gate-Drive-Transformer
			Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913	
				Order.- No. FKS76031304
				SIZE A4
	DATE			Size: EP7

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

2013-06-26	Projection 	DESCRIPTION Gate-Drive-Transformer
	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. FKS76031304
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