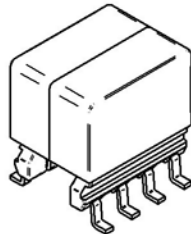
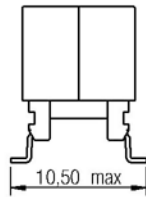
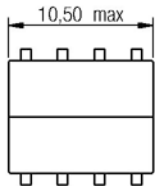
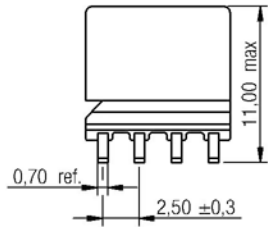
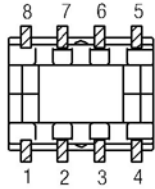
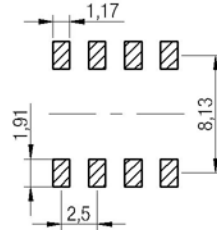


**A Dimensions: [mm]**



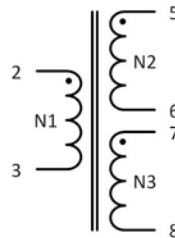
Scale - 2:1

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



Scale - 2:1

**C Schematic:**



Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.  
 FKS(Xi'an) Electronic Technology Co.,Ltd.  
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 Tel: +86-29-8868 5333  
 Fax: +86-29-8868 0913



**D Electrical Properties:**

Properties	Test conditions		Value	Unit	Tol.
<b>Inductance</b>	100 kHz/ 100 mV	L	735	μH	min.
<b>Leakage inductance</b>	100 kHz/ 100 mV	L <sub>S</sub>	3.5	μH	max.
<b>DC Resistance 1</b>		R <sub>DC</sub>	1000	mΩ	max.
<b>DC Resistance 2</b>		R <sub>DC</sub>	900	mΩ	max.
<b>DC Resistance 3</b>		R <sub>DC</sub>	900	mΩ	max.
<b>Turns ratio</b>		n	1.5 : 1 : 1		
<b>Voltage-μSecond</b>	B = 280 mT	∫Udt	99	μVs	typ.
<b>Interwinding capacitance</b>	100 kHz/ 100 mV	C <sub>WW</sub>	11.0	pF	typ.
<b>Rated voltage</b>		U <sub>R</sub>	80	V (AC)	
<b>Insulation test voltage</b>	W1 => W2,3	U <sub>T</sub>	2500	V (AC)	
<b>Insulation test voltage</b>	W2 => W3	U <sub>T</sub>	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<sub>RMS</sub>

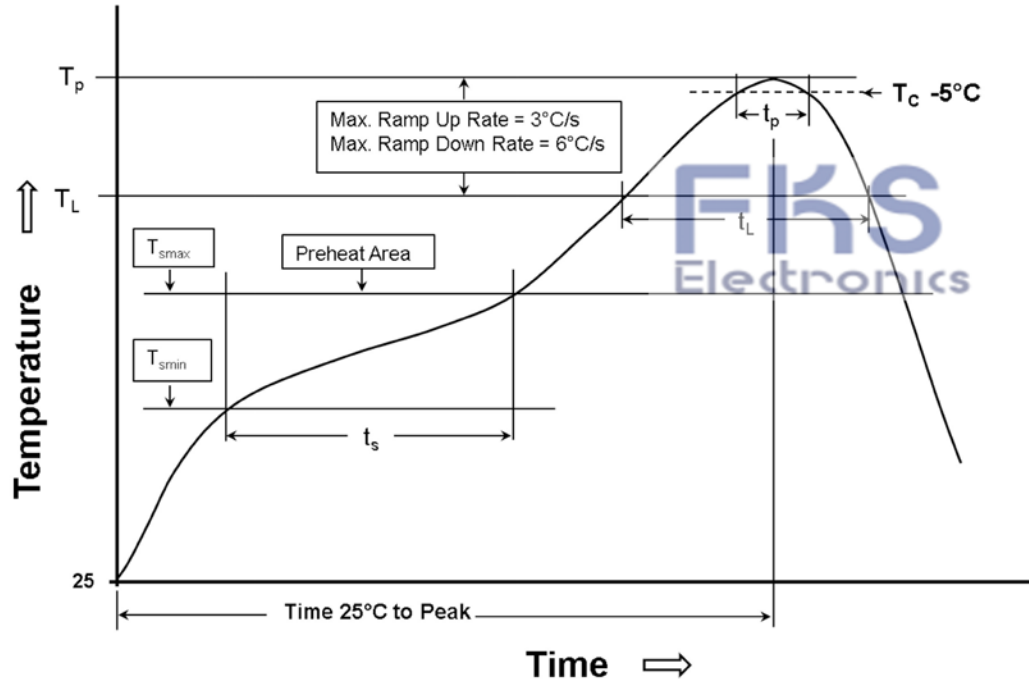
				Projection	DESCRIPTION
	2013-06-26				
				Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913	<b>Gate-Drive-Transformer</b>  Order.- No. <b>FKS760301305</b> <b>COMPLIANT RoHS&amp;REACH</b>  Size: EP7
	DATE				

## 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 <sup>3</sup> <350	Volume mm <sup>3</sup> 350 - 2000	Volume mm <sup>3</sup> >2000
<b>PB-Free Assembly</b>	< 1.6 mm	260°C	260°C	260°C
<b>PB-Free Assembly</b>	1.6 - 2.5 mm	260°C	250°C	245°C
<b>PB-Free Assembly</b>	≥ 2.5 mm	250°C	245°C	245°C

refer to IPC/JEDEC J-STD-020D

2013-06-26	Projection 	DESCRIPTION  <b>Gate-Drive-Transformer</b>
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DATE		SIZE A4
		Size: EP7