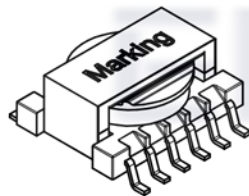
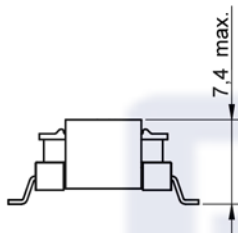
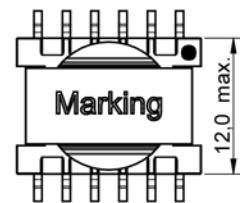
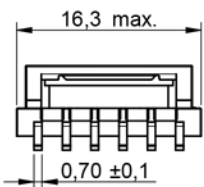
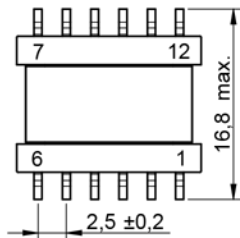
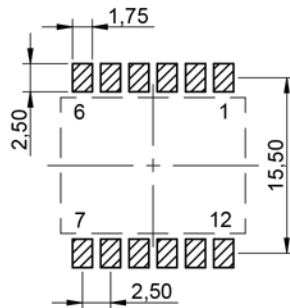


Dimensions: [mm]



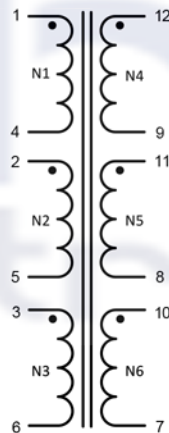
Scale - 1,5:1

Recommended Land Pattern: [mm]



Scale - 1,5:1

Schematic:



Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance Base	100 kHz/ 100 mV	L_{BASE}	21.6	μH	$\pm 20\%$
Turns Ratio		n	1:1:1:1:1:1		
Voltage- μ Second Base		$\int U dt_{BASE}$	63.4	μVs	max.
Rated Current Base	$\Delta T = 40 K$	$I_{R BASE}$	0.8	A	typ.
Saturation Current Base	$ \Delta L/L < 10 \%$	$I_{SAT BASE}$	0.48	A	typ.
DC Resistance Base	@ 20 °C	$R_{DC BASE}$	200	m Ω	max.
Leakage Inductance Base	100 kHz/ 1 V	$L_S BASE$	0.17	μH	typ.
Insulation Test Voltage	all windings	U_T	1500	V (AC)	

General Information:

It is recommended that the temperature of the component does not exceed +125°C under worst case conditions	
Operating Temperature	-40 °C up to +125 °C
Storage Temperature (in original packaging)	-40 °C up to +85 °C
Test conditions of Electrical Properties: +20°C, 33% RH if not specified differently	

Product Marking:

Pin 1	
Marking	FKS749196218
Marking - Date Code	YYWW

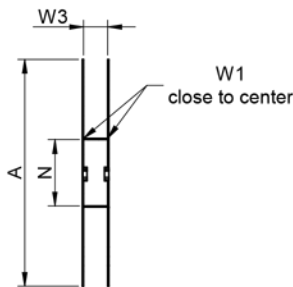
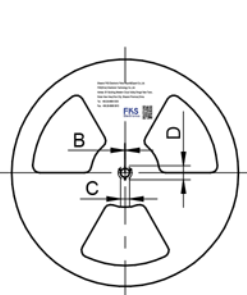
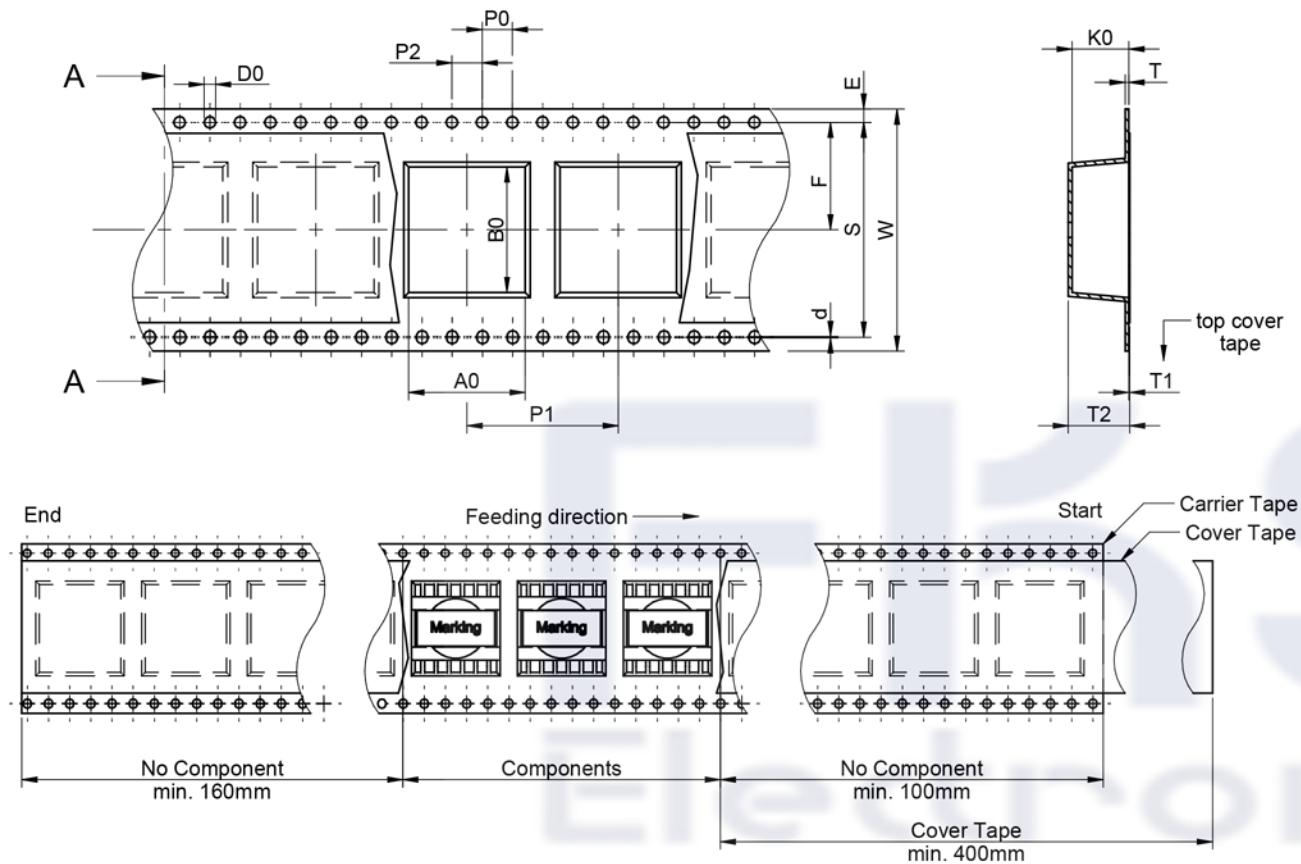
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
FKS(Xi'an) Electronic Technology Co.,Ltd.
Address: B1 Building,Western Cloud Valley,Fengxi New Town,
Xixian New Area,Xi'an City, Shaanxi Province,China.
Tel: +86-29-8868 5333
Fax: +86-29-8868 0913

FKS
Electronics



CREATED	CHECKED	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD
DESCRIPTION Flexible Transformer for DC/DC Converter		ORDER CODE FKS749196218	
SIZE ER14.5/6	REVISION	STATUS	PAGE
DATE (YYYY-MM-DD) 2017-01-05	BUSINESS UNIT		

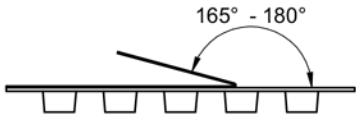
Packaging Specification - Tape and Reel: [mm]



packaging is referred to the international standard IEC 60286-3:2013

	A0	B0	W	T	T1	T2	K0	P0	P1	P2	D0	D0 / 2	d	E	S	F	Tape Type 2a	VPE / packaging unit	
tolerance	typ.	typ.	±0.3	typ.	typ.	typ.	typ.	±0.1	±0.1	±0.1	+0.1/-0.0	+0.05/-0.0	+0.05	±0.1	±0.1	±0.1		pcs.	
size	ER14.5/6	15.40	16.60	32.00	0.50	0.05	8.00	7.50	4.00	20.00	2.00	1.50	0.75	0.20	1.75	28.40	14.20	Polystyrene	400

tolerance		± 2.0	min.	min.	min.	± 2.0	+ 2	max.	min.	max.
Tape width	32 mm	330	1.5	12.8	20.2	80	32.4	38.4	31.9	35.4



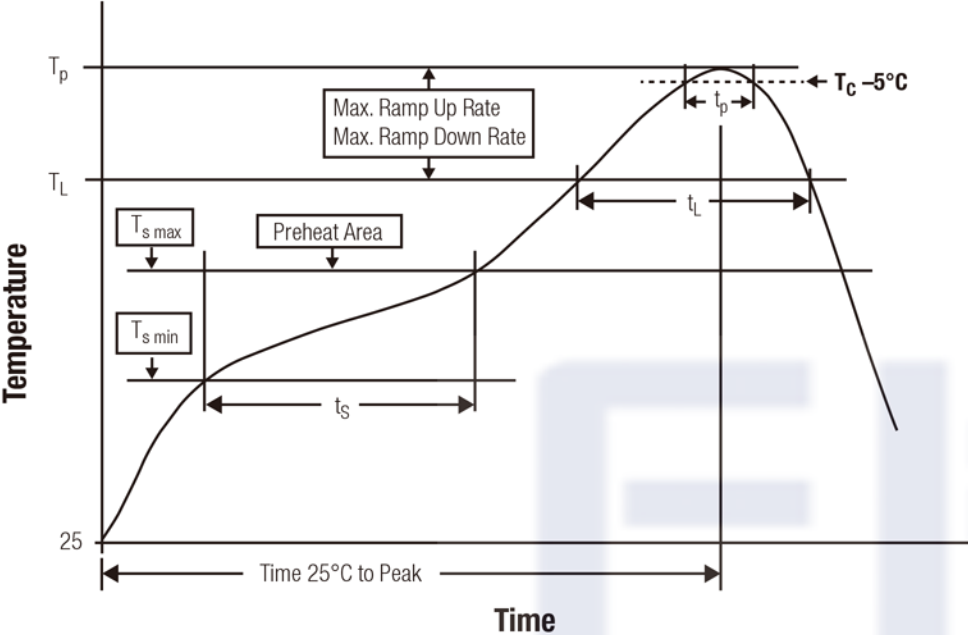
		Pull-of force
Tape width	32 mm	0,1 N - 1,3 N

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BUSINESS UNIT		PAGE	

Classification Reflow Profile for SMT components:



Classification Reflow Soldering Profile:

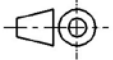
Profile Feature		Value
Preheat Temperature Min	$T_{s\ min}$	150 °C
Preheat Temperature Max	$T_{s\ max}$	200 °C
Preheat Time t_s from $T_{s\ min}$ to $T_{s\ max}$	t_s	60 - 120 seconds
Ramp-up Rate (T_L to T_p)		3 °C/ second max.
Liquidous Temperature	T_L	217 °C
Time t_L maintained above T_L	t_L	60 - 150 seconds
Peak package body temperature	T_p	see table below
Time within 5°C of actual peak tempreature	t_p	20 - 30 seconds
Ramp-down Rate (T_L to T_p)		6 °C/ second max.
Time 25°C to peak temperature		8 minutes max.

refer to IPC/ JEDEC J-STD-020E

Package Classification Reflow Temperature:

Properties	Volume mm ³ <350	Volume mm ³ 350-2000	Volume mm ³ >2000
PB-Free Assembly I Package Thickness < 1.6 mm	260 °C	260 °C	260 °C
PB-Free Assembly I Package Thickness 1.6 mm - 2.5 mm	260 °C	250 °C	245 °C
PB-Free Assembly I Package Thickness ≥ 2.5 mm	250 °C	245 °C	245 °C

refer to IPC/ JEDEC J-STD-020E

Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Adress: 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		CREATED	CHECKED	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
 		DESCRIPTION Flexible Transformer for DC/DC Converter			ORDER CODE FKS749196218
		SIZE ER14.5/6	REVISION	STATUS	DATE (YYYY-MM-DD) 2017-01-05