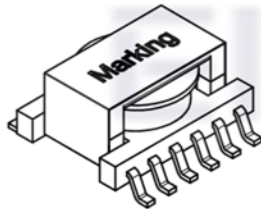
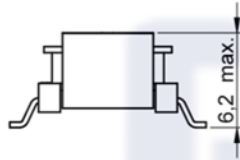
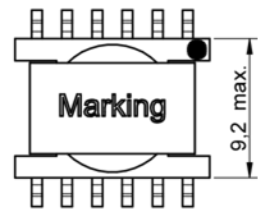
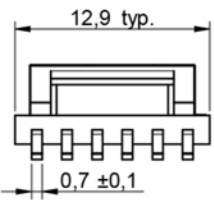
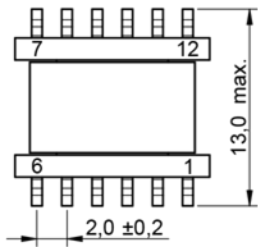
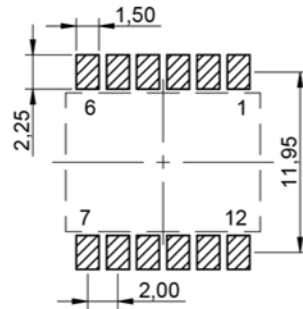


Dimensions: [mm]



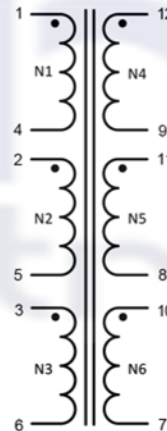
Scale - 2:1

Recommended Land Pattern: [mm]



Scale - 2:1

Schematic:



Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance Base	100 kHz/ 100 mV	L_{BASE}	10.9	μ H	$\pm 20\%$
Turns Ratio		n	1:1:1:1:1:1		
Voltage- μ Second Base		$\int U dt_{BASE}$	49.3	μ Vs	max.
Rated Current Base	$\Delta T = 40$ K	$I_{R,BASE}$	0.5	A	typ.
Saturation Current Base	$ \Delta L/L < 10\%$	$I_{SAT,BASE}$	0.8	A	typ.
DC Resistance Base	@ 20 °C	$R_{DC,BASE}$	344	m Ω	max.
Leakage Inductance Base	100 kHz/ 100 mV	$L_{S,BASE}$	0.3	μ H	typ.
Insulation Test Voltage	N1 => N2,3; N2 => N3	$U_{T,2}$	1000	V (AC)	
Insulation Test Voltage	N4 => N5,6; N5 => N6	$U_{T,3}$	1000	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	749196138
Marking - Date Code	YYWW

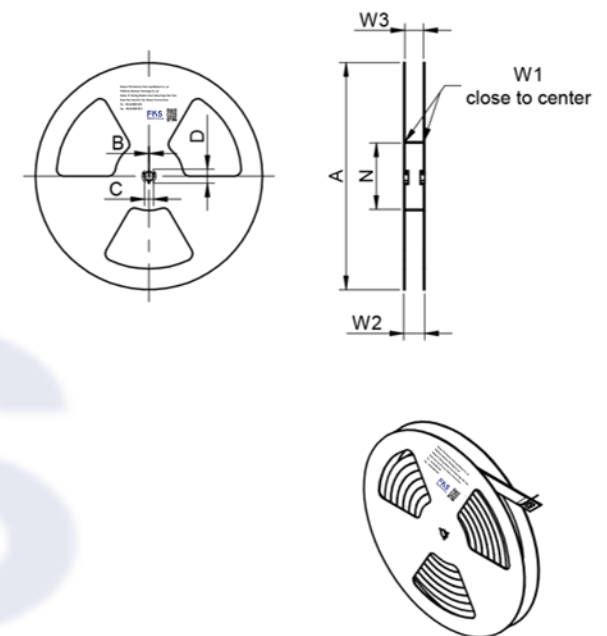
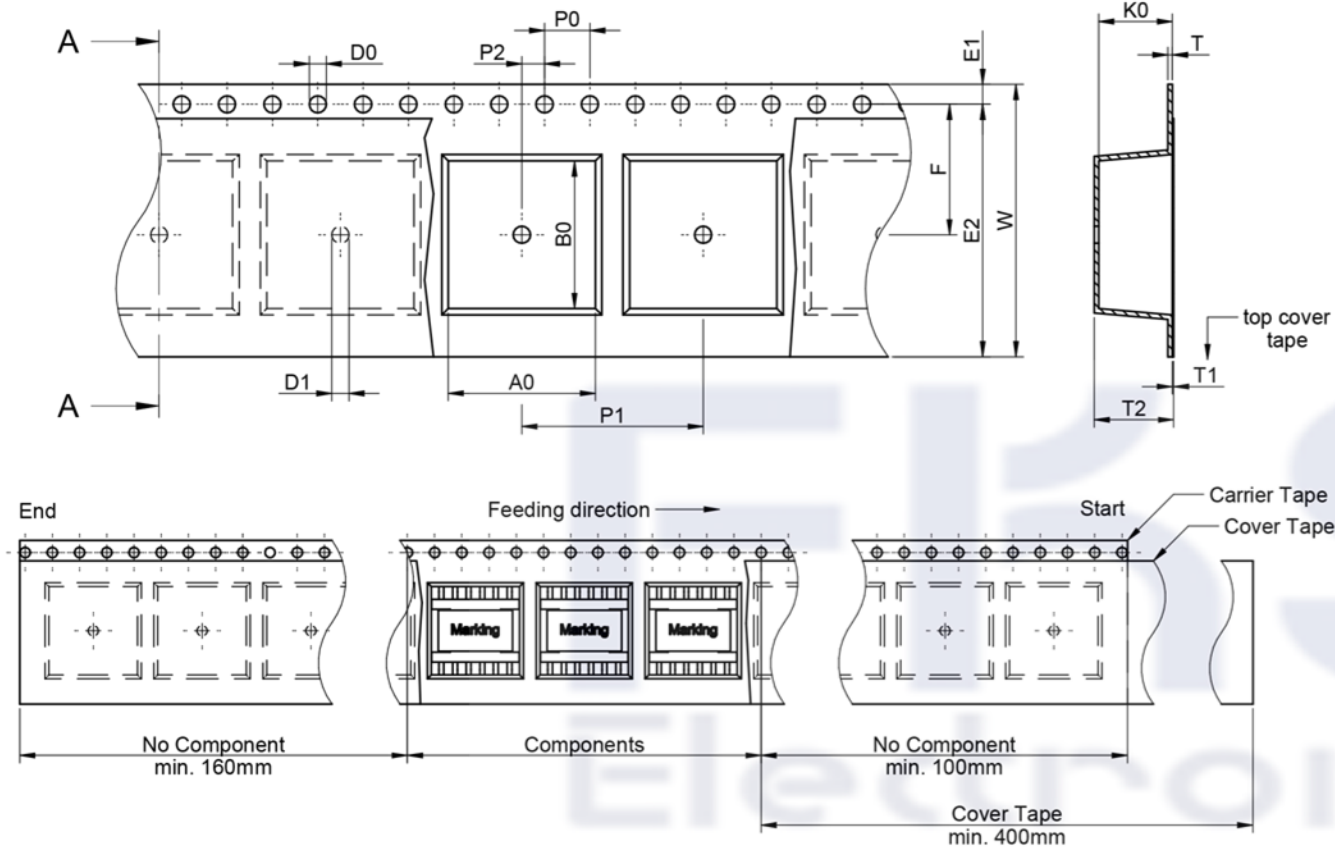
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
 FKS(Xi'an) Electronic Technology Co.,Ltd.
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 Tel: +86-29-8868 5333
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FKS
Electronics



CREATED	CHECKED	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD
DESCRIPTION Flexible Transformer for DC/DC Converter		ORDER CODE FKS749196138	
SIZE ER11/5	REVISION	STATUS	DATE (YYYY-MM-DD) 2017-01-05
		BUSINESS UNIT	PAGE

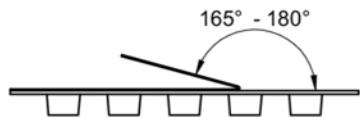
Packaging Specification - Tape and Reel: [mm]



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

	A0	B0	W	T	T1	T2	K0	P0	P1	P2	D0	D1	E1	E2	F	Tape Type 2a	VPE / packaging unit
tolerance	typ.	typ.	+0,3/-0,1	typ.	typ.	typ.	typ.	±0,1	±0,2	±0,1	+0,1/-0,0	typ.	+0,1/-0,0	min.	±0,1		pcs.
size	ER11/5	13,00	13,00	24,00	0,40	0,05	6,90	6,50	4,00	16,00	2,00	1,50	1,75	22,25	11,50	Polystyrene	500

	A	B	C	D	N	W1	W2	W3	W3
Tolerance	± 2,0	min.	min.	min.	± 2,0	+ 2	max.	min.	max.
Tape width	24mm	330,00	1,50	12,80	20,20	60,00	24,40	30,40	23,90



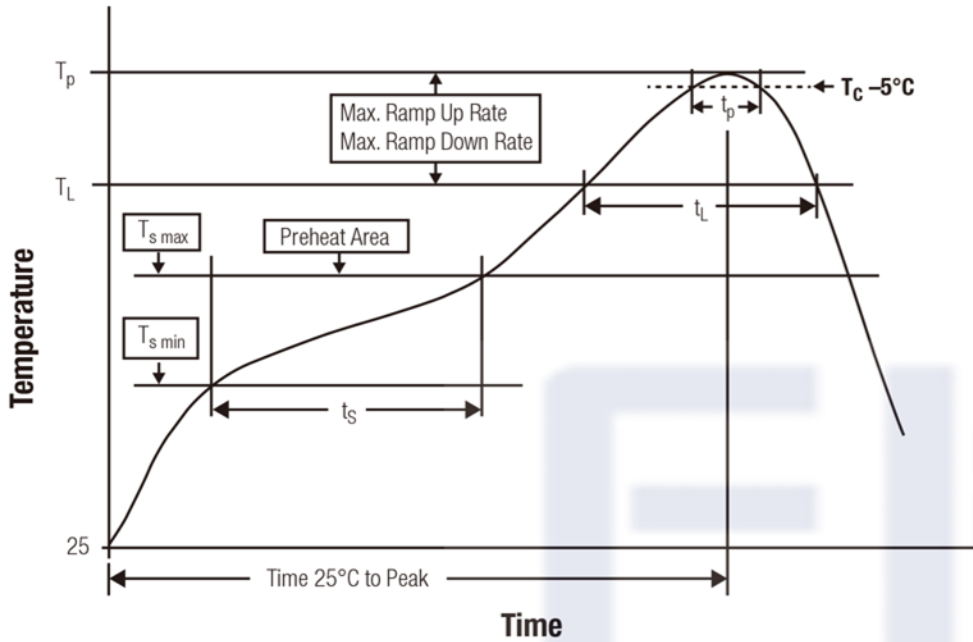
	Pull-of force
Tape width	24 mm
	0,1 N - 1,3 N

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Flexible Transformer for DC/DC Converter		FKS749196138	
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ER11/5			2017-01-05
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 temperature	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 Package Thickness < 1.6 mm	260 °C	260 °C	260 °C
PB-Free Assembly Package Thickness 1.6 mm - 2.5 mm	260 °C	250 °C	245 °C
PB-Free Assembly Package Thickness ≥ 2.5 mm	250 °C	245 °C	245 °C

refer to IPC/ JEDEC J-STD-020E

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