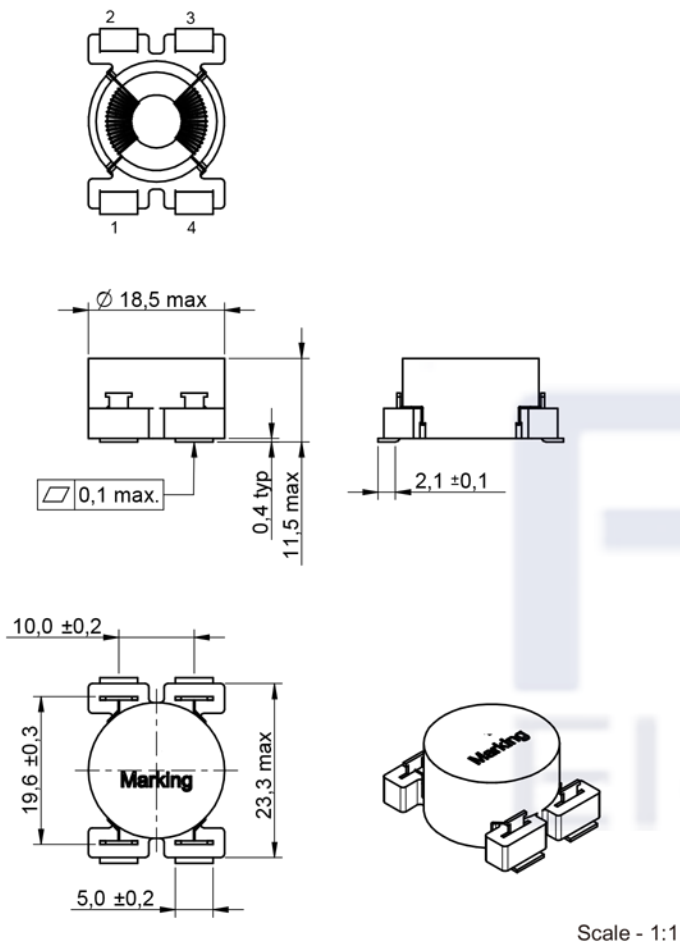


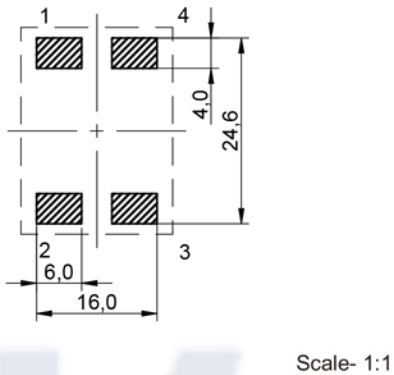
Dimensions: [mm]



Product Marking:

Marking	7446631010 (Partnumber)
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Recommended Land Pattern: [mm]



Schematic:



Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance	10 kHz/ 0.1 mA	L	10	mH	±30%
Rated Current	@ 70 °C	I _R	1	A	max.
DC Resistance	@ 20 °C	R _{DC}	0.55	Ω	max.
Rated Voltage	50 Hz	U _R	250	V (AC)	max.
Insulation Test Voltage	50 Hz/ 5 mA/ 2 sec.	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	
Storage Temperature (in original packaging)	-20 °C up to +60 °C
Operating Temperature	-40 °C up to +125 °C
Temperature Rise < 55K	
Test conditions of Electrical Properties: +20°C, 33% RH if not specified differently	

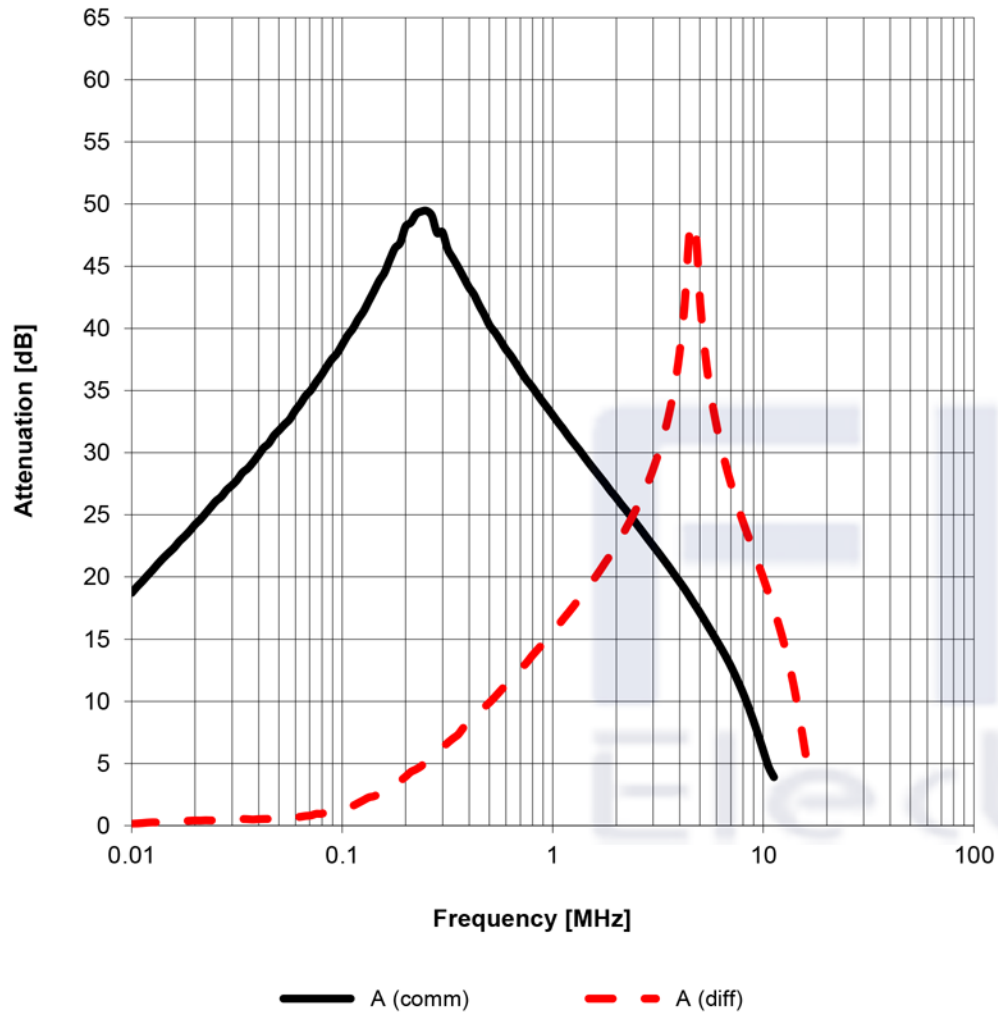
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
FKS(Xi'an) Electronic Technology Co.,Ltd.
Address: B1 Building,Western Cloud Valley,Fengxi New Town,
Xixian New Area,Xi'an City, Shaanxi Province,China.
Tel: +86-29-8868 5333
Fax: +86-29-8868 0913

FKS
Electronics

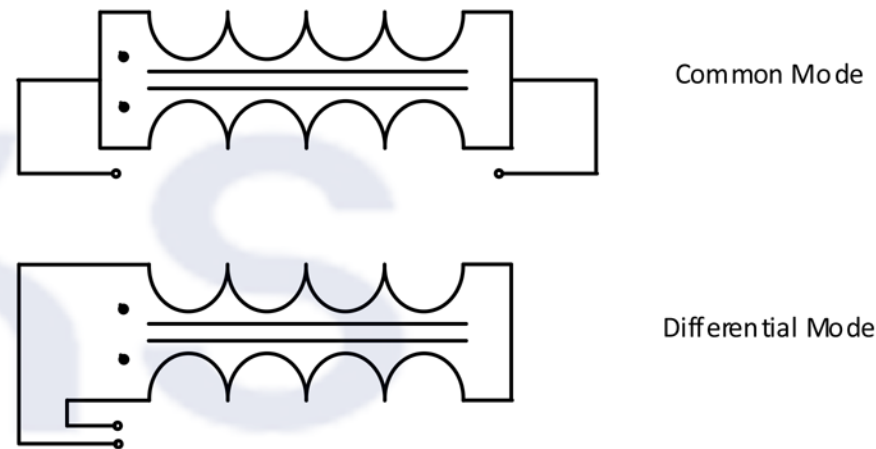


GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 	
DESCRIPTION SMD Common Mode Power Line Choke		ORDER CODE FKS7446631010	
SIZE SH	REVISION 004.000	STATUS Valid	

Typical Insertion Loss:

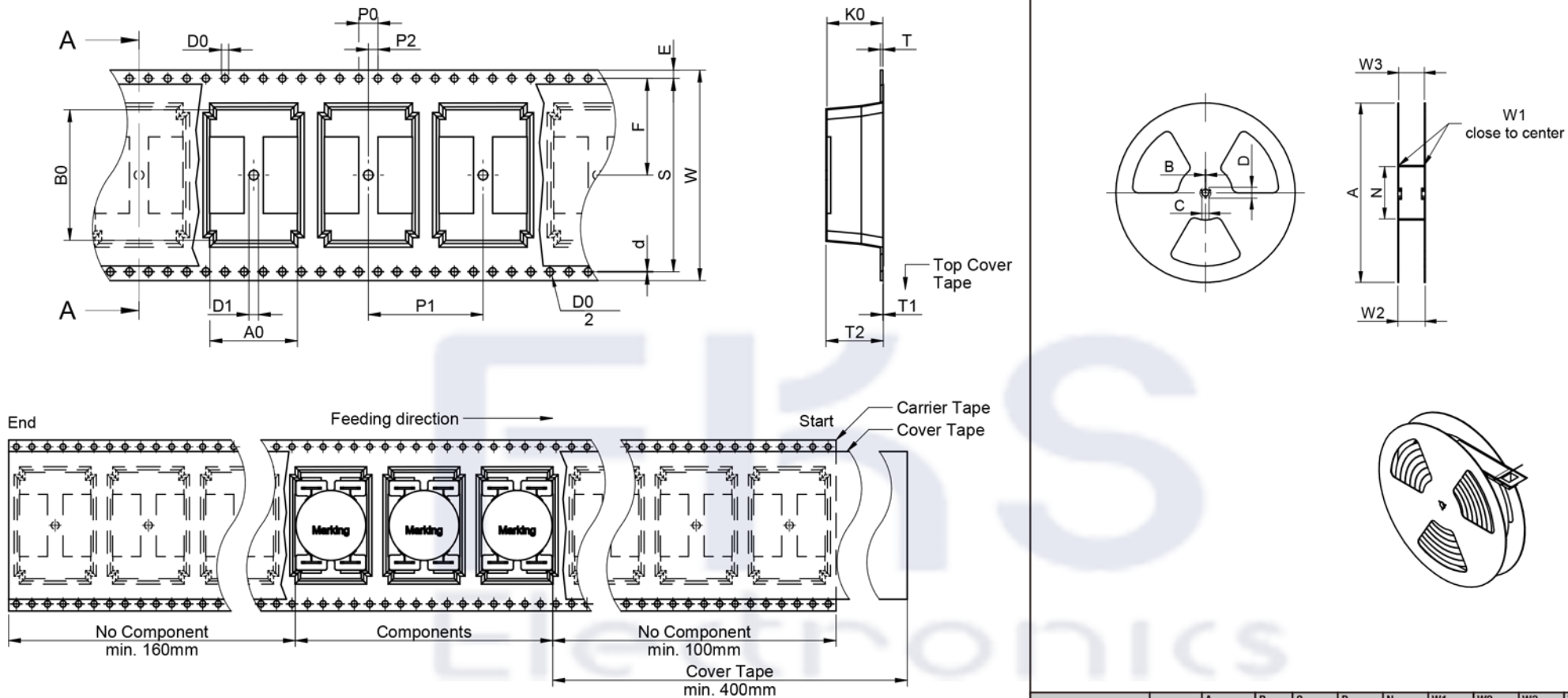


Test Setup:



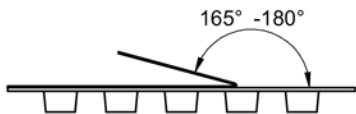
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913			GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD		
			DESCRIPTION SMD Common Mode Power Line Choke			ORDER CODE FKS7446631010	
			SIZE SH	REVISION 004.000	STATUS Valid		

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	D1	d	E	S1	F	Tape Type 3	VPE / packaging unit
tolerance	typ.	typ.	±0.3	ref.	max.	typ.	typ.	±0.1	±0.1	±0.15	+0.1/- 0.0	+0.05/- 0.0	min.	+0.05	+0.1	±0.1	+0.1		pcs.
value	18.30	27.30	44.00	0.50	1.10	12.00	11.70	4.40	24.00	2.00	1.50	0.75	2.00	0.20	1.75	40.20	40.20	Polystyrene	200



		Pull-of force
Tape width	44 mm	0,1 N - 1,3 N

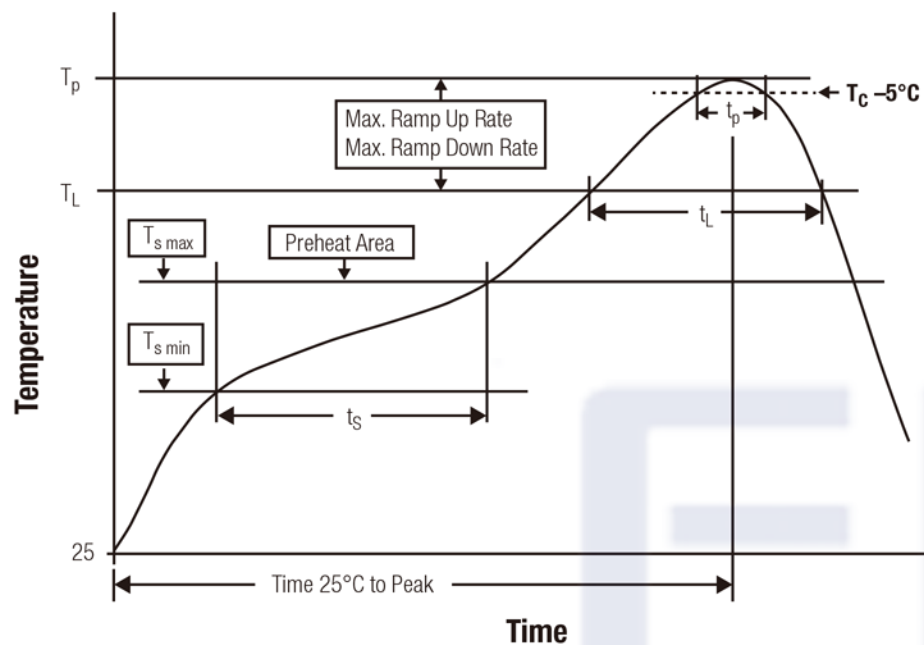
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		A	B	C	D	N	W1	W2	W3	W3
Tolerance		± 2,0	min.	min.	min.	min.	+ 2,0	max.	min.	max.
Tape width	44 mm	330,00	1,50	12,80	20,20	80,00	44,40	50,40	43,90	47,40

		GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 	
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Classification Reflow Profile for SMT components:



Classification Reflow Soldering Profile:

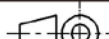
Profile Feature		Value
Preheat Temperature Min	$T_{s \min}$	150 °C
Preheat Temperature Max	$T_{s \max}$	200 °C
Preheat Time t_s from $T_{s \min}$ to $T_{s \max}$	t_s	60 - 120 seconds
Ramp-up Rate (T_L to T_P)		3 °C/ second max.
Liquidous Temperature	T_L	217 °C
Time t_L maintained above T_L	t_L	60 - 150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