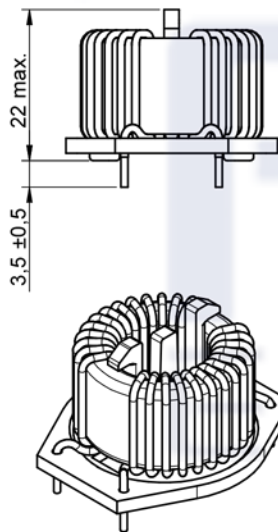
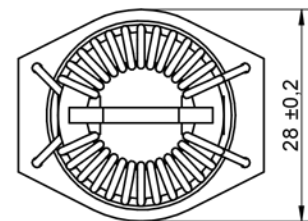
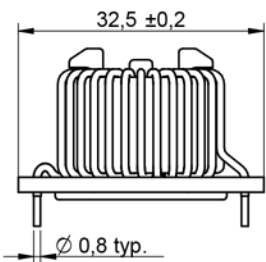
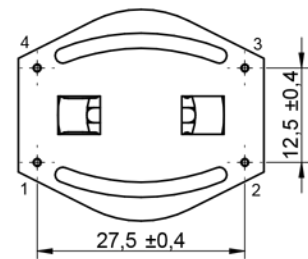
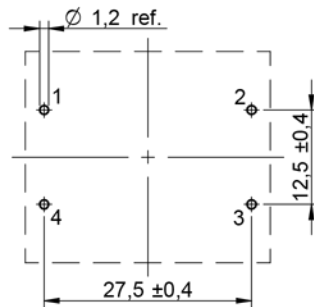


Dimensions: [mm]



Scale - 1:1

Recommended Land Pattern: [mm]



Scale - 1:1

Schematic:



Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance	10 kHz/ 0.1 mA	L	2x5	mH	±30
Rated Current	@ 70 °C	I _R	4	A	max.
DC Resistance		R _{DC}	2x50	mΩ	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 Properties:

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	

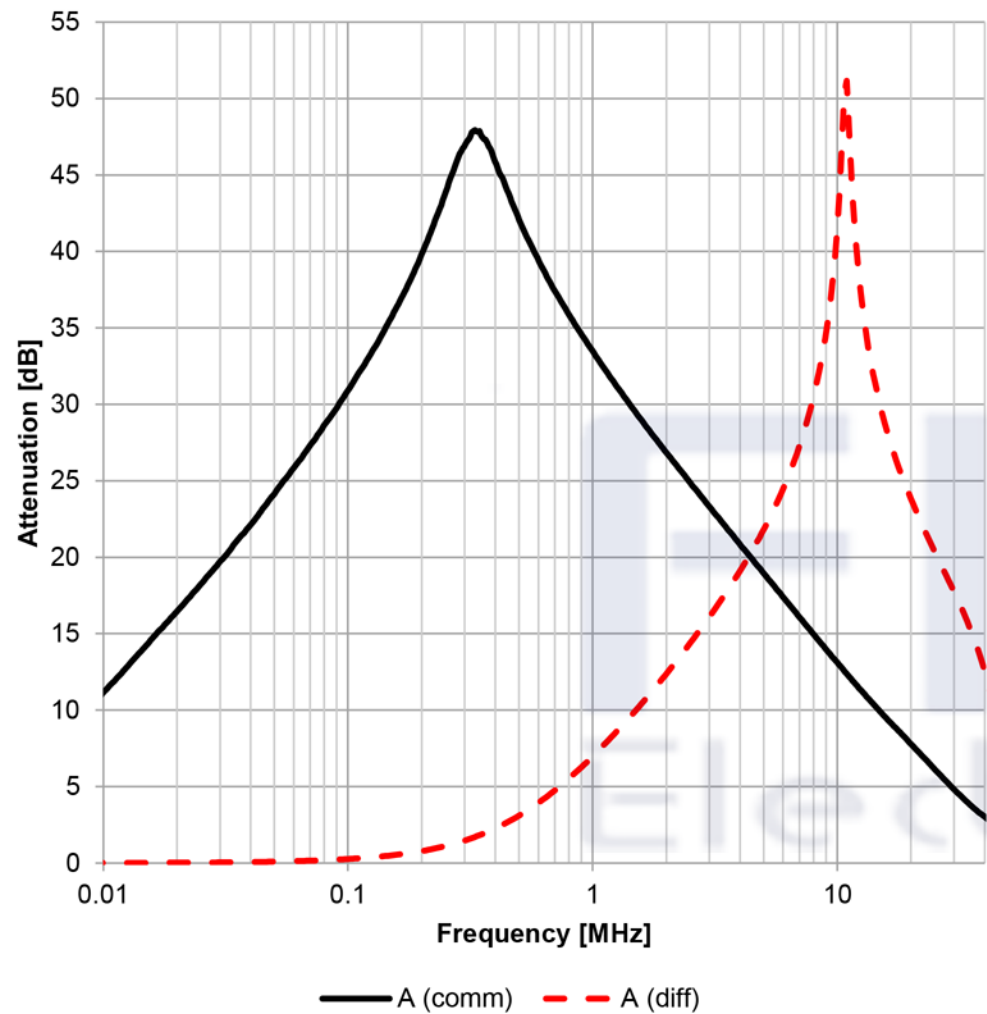
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
FKS(Xi'an) Electronic Technology Co.,Ltd.
Address: B1 Building,Western Cloud Valley,Fengxi New Town,
Xixian New Area,Xi'an City, Shaanxi Province,China.
Tel: +86-29-8868 5333
Fax: +86-29-8868 0913

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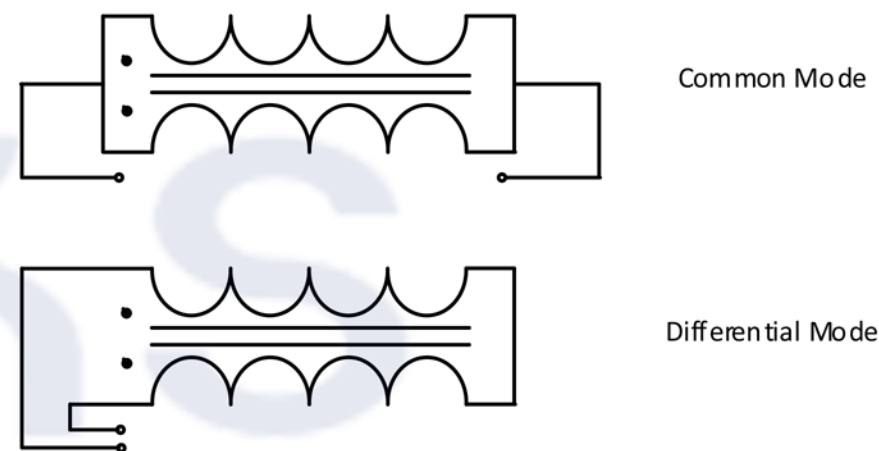


GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 	
DESCRIPTION Common Mode Power Line Choke (Horizontal)		ORDER CODE FKS744834405	
SIZE L	REVISION 002.000	STATUS Valid	

Typical Insertion Loss Characteristics:

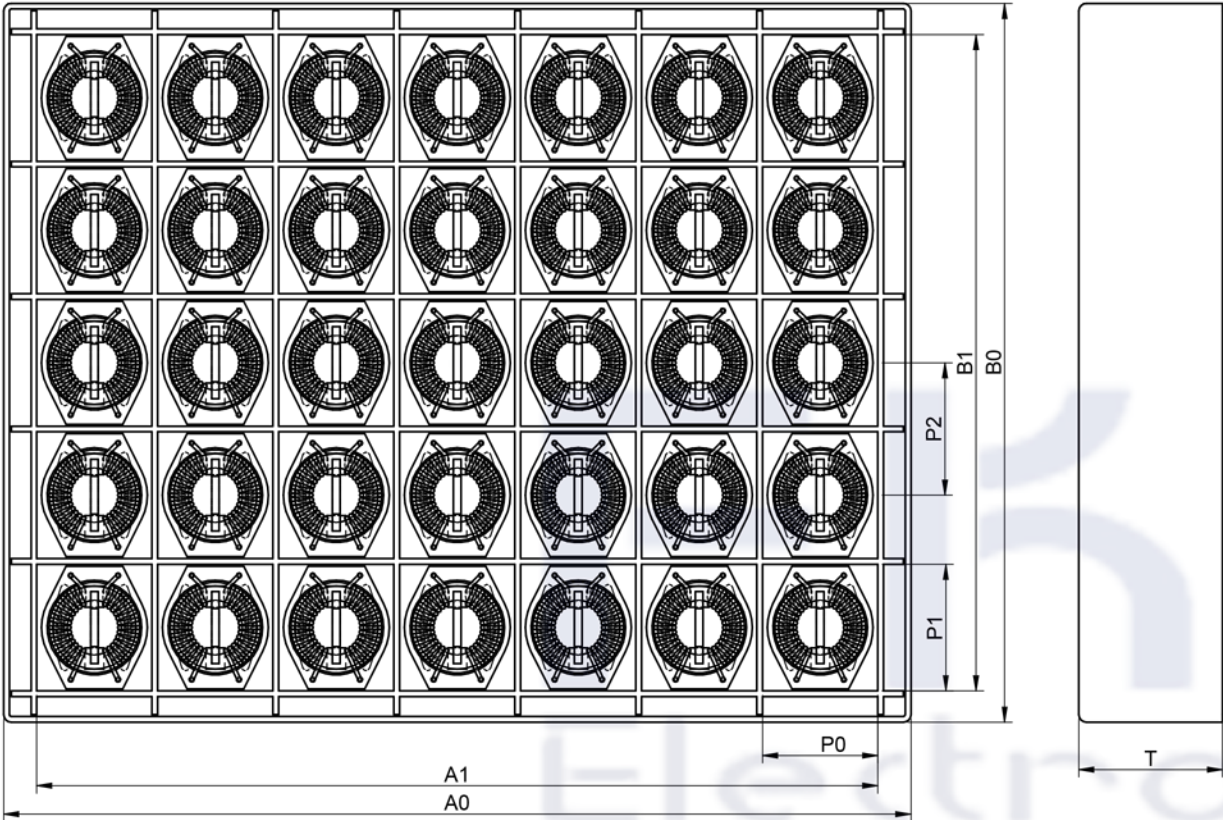


Test Setup:

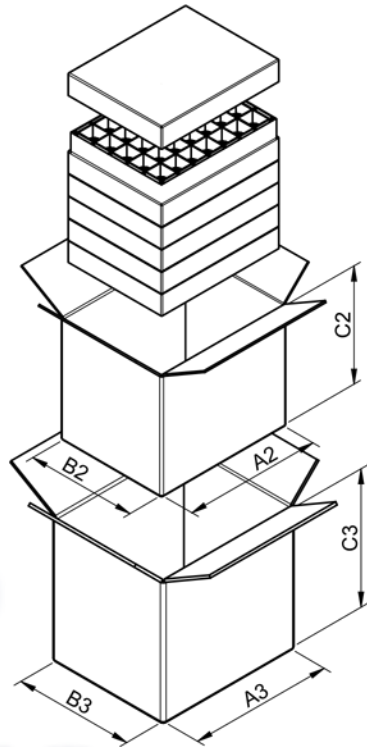


Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913			GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD	
DESCRIPTION Common Mode Power Line Choke (Horizontal)			ORDER CODE FKS744834405			
SIZE L	REVISION 002.000	STATUS Valid				

Packaging Specification - Tray: [mm]



	A0	B0	P0	P1	P2	T	A1	B1	Case	VPE / packaging unit
tolerance	typ.	typ.	ref.	ref.	ref.	typ.	ref.	ref.		pcs.
IndCMBH	245	195	30.5	33.5	35	30	222.5	173.5	Paper	35



	No. of Trays	Inner Carton	A2	B2	C2	Master Carton	A3	B3	C3	Packaging Unit
tolerance			typ.	typ.	ref.		ref.	ref.	typ.	
IndCMBH	6	1	260	210	217	1	275	232	255	210

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GENERAL TOLERANCE
DIN ISO 2768-1m

PROJECTION
METHOD

DESCRIPTION
**Common Mode Power
Line Choke (Horizontal)**

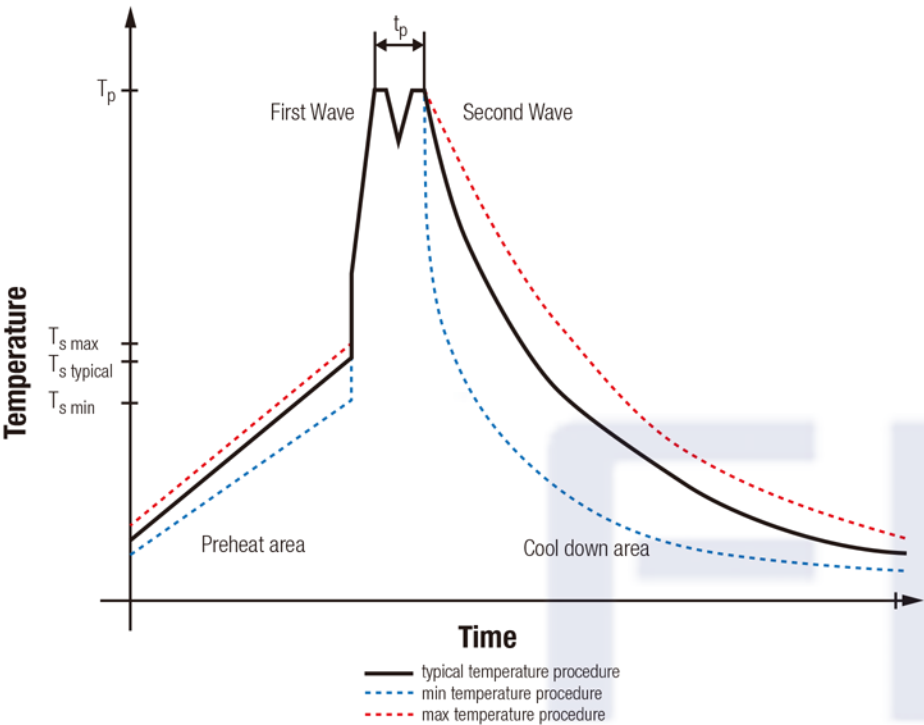
ORDER CODE
FKS744834405

SIZE
L

REVISION
002.000

STATUS
Valid

Classification Wave Soldering Profile:



Classification Wave Soldering Profile:

Profile Feature		Pb-Free Assembly	Sn-Pb Assembly
Preheat Temperature Min	$T_{s \min}$	100 °C	100 °C
Preheat Temperature Typical	$T_{s \text{ typical}}$	120 °C	120 °C
Preheat Temperature Max	$T_{s \max}$	130 °C	130 °C
Preheat Time t_s from $T_{s \min}$ to $T_{s \max}$	t_s	70 seconds	70 seconds
Ramp-up Rate	ΔT	150 °C max.	150 °C max.
Peak temperature	T_p	250 °C - 260 °C	235 °C - 260 °C
Time of actual peak temperature	t_p	max. 10 seconds max. 5 seconds each wave	max. 10 seconds max. 5 seconds each wave
Ramp-down Rate, Min		~ 2 K/ second	~ 2 K/ second
Ramp-down Rate, Typical		~ 3.5 K/ second	~ 3.5 K/ second
Ramp-down Rate, Max		~ 5 K/ second	~ 5 K/ second
Time 25°C to 25°C		4 minutes	4 minutes

refer to EN61760-1:2006

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Electronics

GENERAL TOLERANCE
DIN ISO 2768-1m

PROJECTION
METHOD

DESCRIPTION
**Common Mode Power
Line Choke (Horizontal)**

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