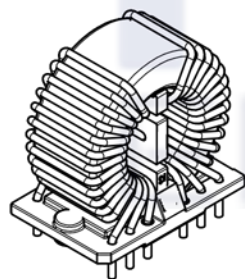
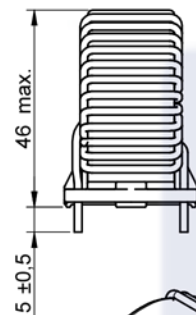
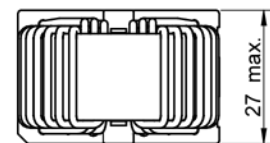
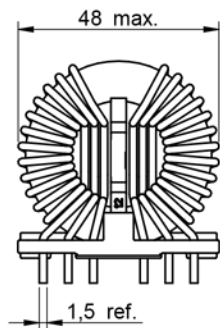
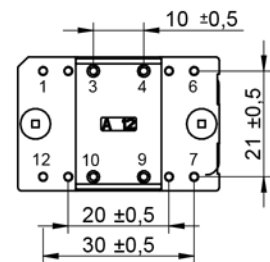
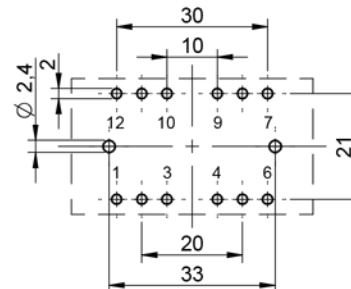


Dimensions: [mm]



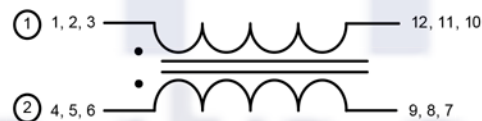
Scale - 1:1,5

Recommended Hole Pattern: [mm]



Scale - 1:1,5

Schematic:



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



Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance	10 kHz/ 0.1 mA	L	2x1.5	mH	+50%/-30%
Rated Current	@ 70 °C	I _R	38	A	max.
DC Resistance	@ 20 °C	R _{DC}	2x2.3	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
-----------------------	----------------------

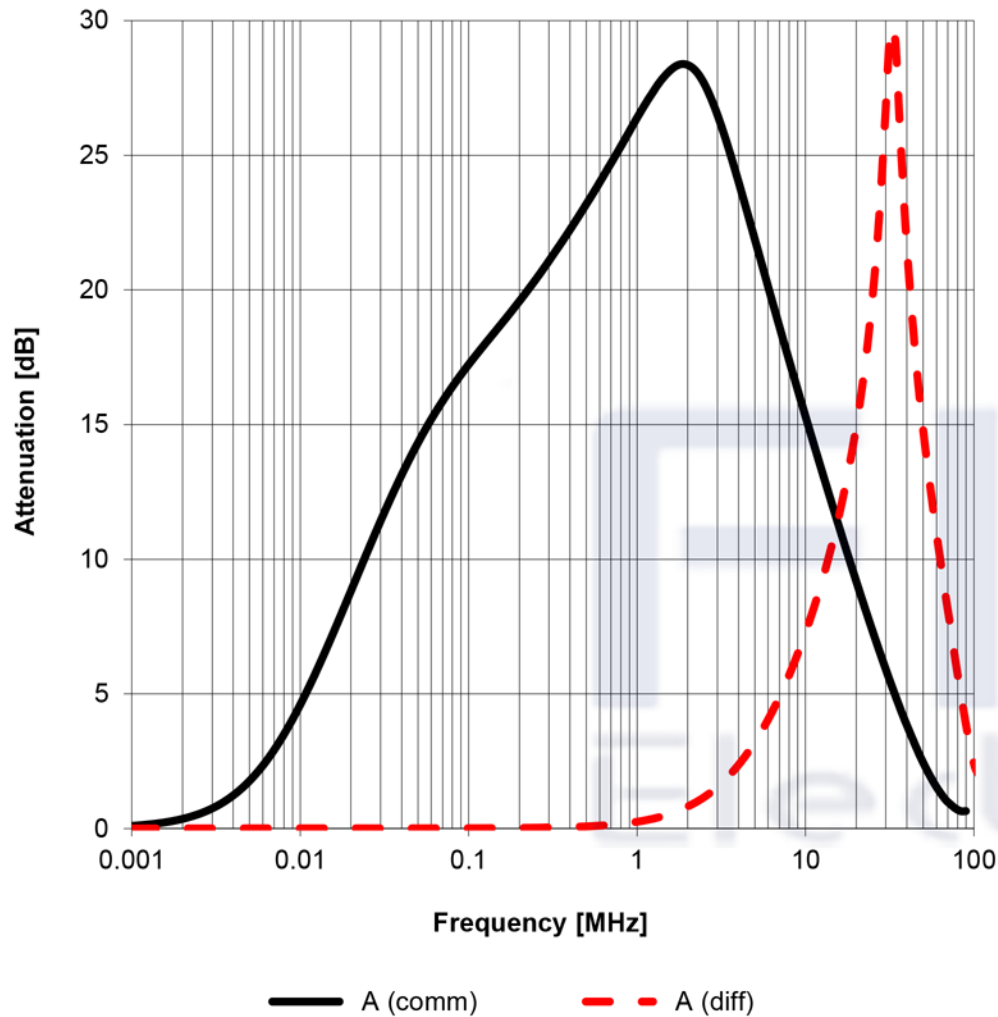
Temperature Rise < 55K

Test conditions of Electrical Properties: +20°C, 33% RH if not specified differently

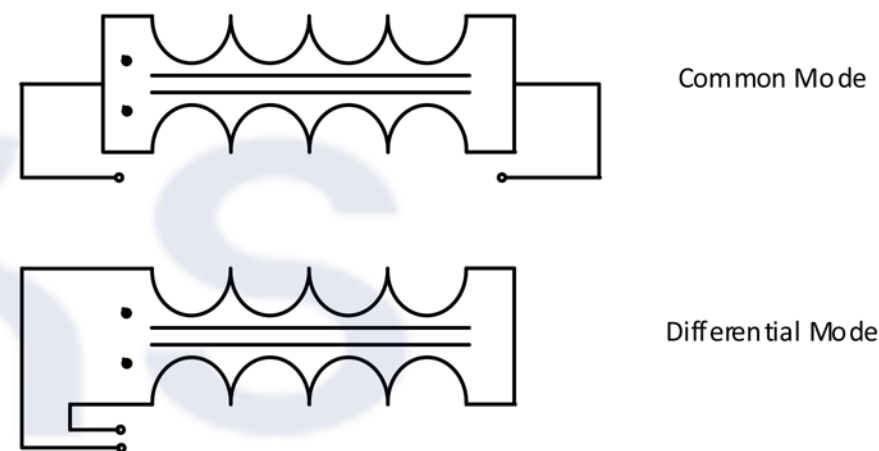
Due to heavy weight, we recommend to fix the component on PCB
with 2 self tapping screws: 2.2*x
x= screw length, depends from PCB thickness

GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 	
DESCRIPTION Common Mode Power Line Choke Nanocrystalline		ORDER CODE FKS7448063801	
SIZE XXL	REVISION 001.003	STATUS Valid	

Typical Insertion Loss:

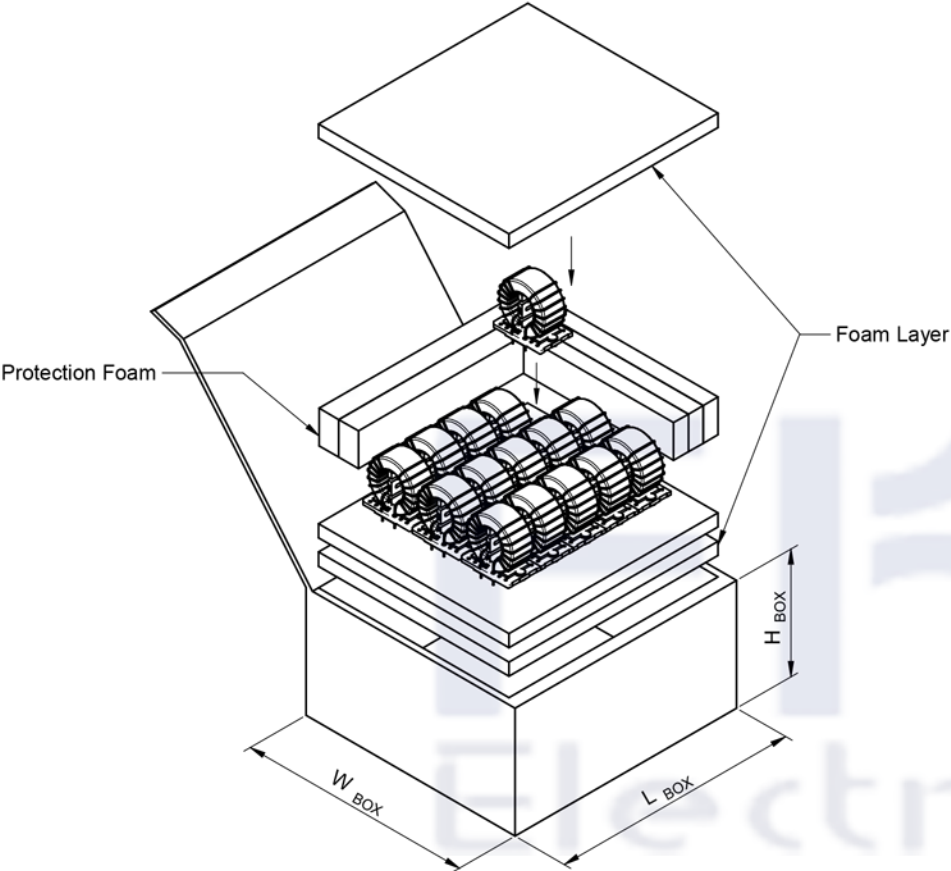


Test Setup:

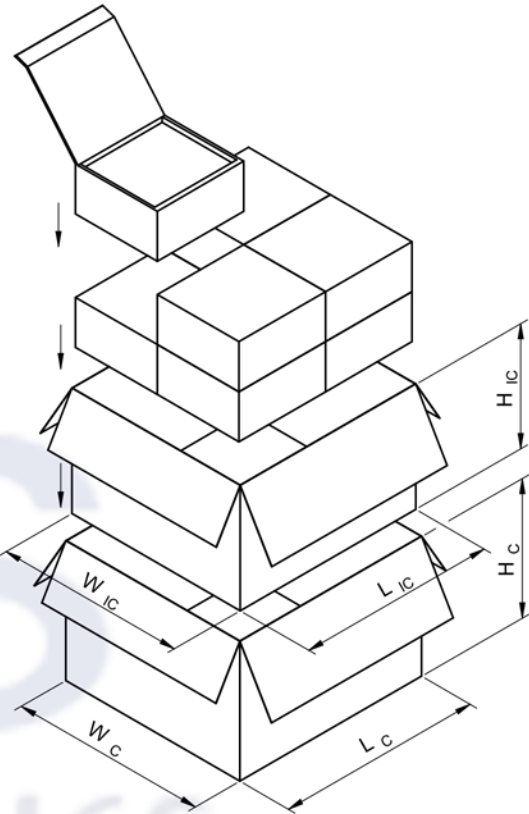


Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913			GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD		
			DESCRIPTION Common Mode Power Line Choke Nanocrystalline			ORDER CODE FKS7448063801	
			SIZE XXL	REVISION 001.003	STATUS Valid		

Packaging Specification - Carton: [mm]



L_BOX (mm)	W_BOX (mm)	H_BOX (mm)	No. of Protection Foam	No. of Layer	Packaging Unit	Material
typ.	typ.	typ.	pcs.	pcs.	pcs.	
180,00	170,00	90,00	5	3	15	Paper



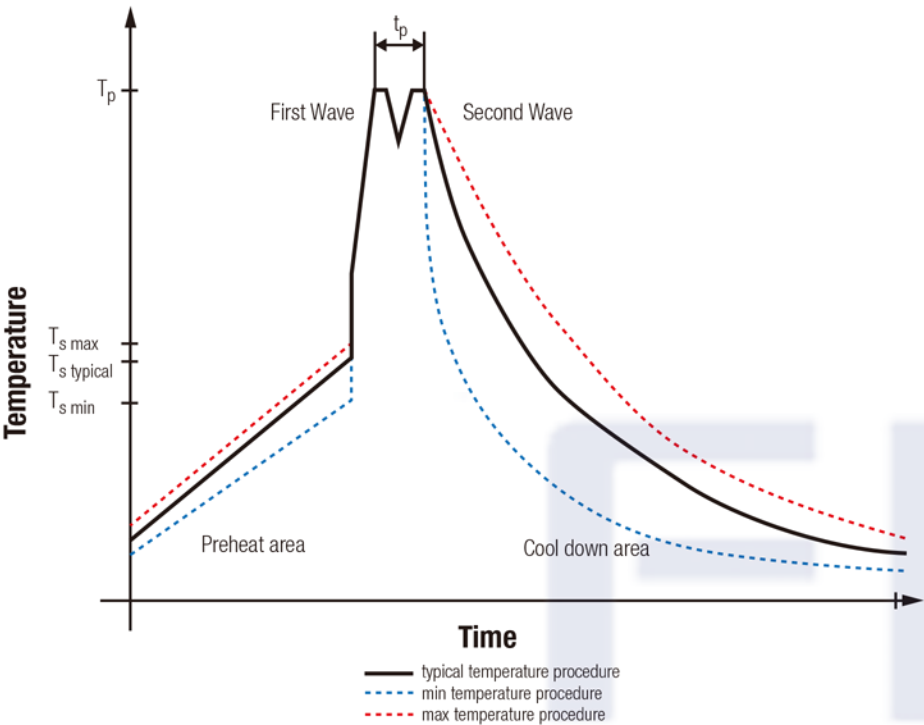
L_IC (mm)	W_IC (mm)	H_IC (mm)	L_OC (mm)	W_OC (mm)	H_OC (mm)	No. of box	No. of Inner Carton	Packaging Unit	Material
typ.	typ.	typ.	typ.	typ.	typ.	pcs.	pcs.	pcs.	
356,00	350,00	226,00	378,00	362,00	252,00	8	1	120	Paper

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 Nanocrystalline				ORDER CODE FKS7448063801	
SIZE XXL	REVISION 001.003	STATUS Valid			

FKS
Electronics



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

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 Nanocrystalline			ORDER CODE FKS7448063801	
		SIZE XXL	REVISION 001.003	STATUS Valid		