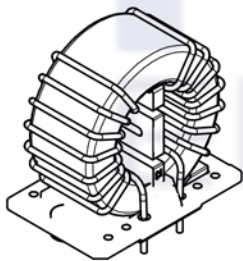
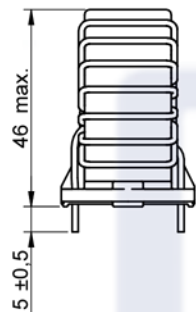
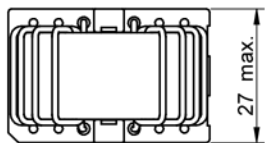
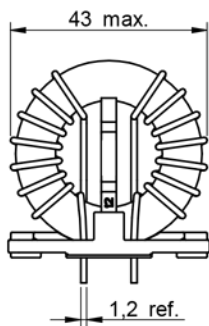
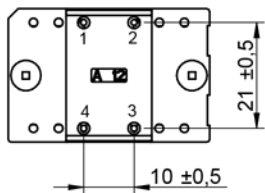
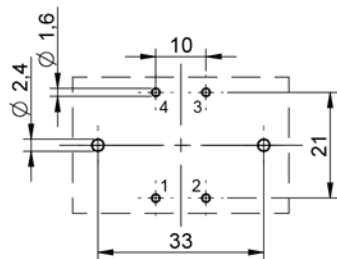


Dimensions: [mm]



Scale - 1:1,5

Recommended Hole Pattern: [mm]



Scale - 1:1,5

Schematic:



Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance	10 kHz/ 0.1 mA	L	2x14	mH	+50%/-30%
Rated Current	@ 70 °C	I _R	8	A	max.
DC Resistance	@ 20 °C	R _{DC}	2x27	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	

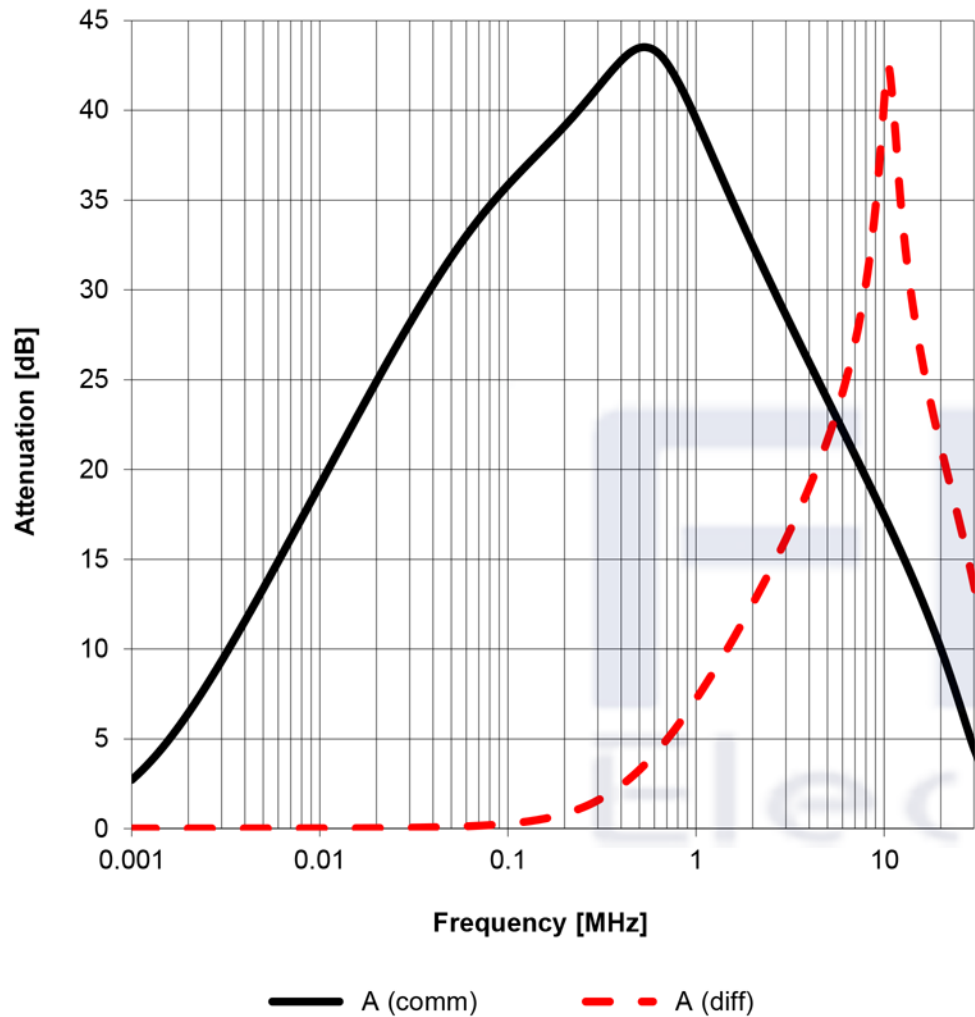
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
FKS(Xi'an) Electronic Technology Co.,Ltd.
Address: B1 Building,Western Cloud Valley,Fengxi New Town,
Xixian New Area,Xi'an City, Shaanxi Province,China.
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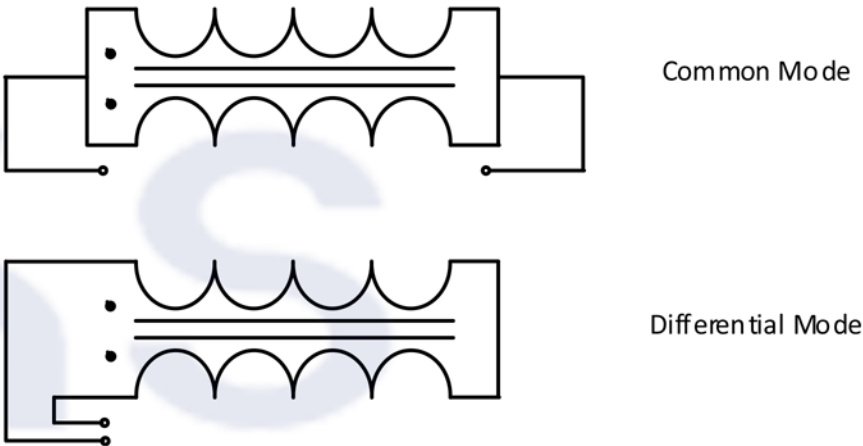


GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 	
DESCRIPTION Common Mode Power Line Choke Nanocrystalline		ORDER CODE FKS7448060814	
SIZE XXL	REVISION 001.003	STATUS Valid	

Typical Insertion Loss:

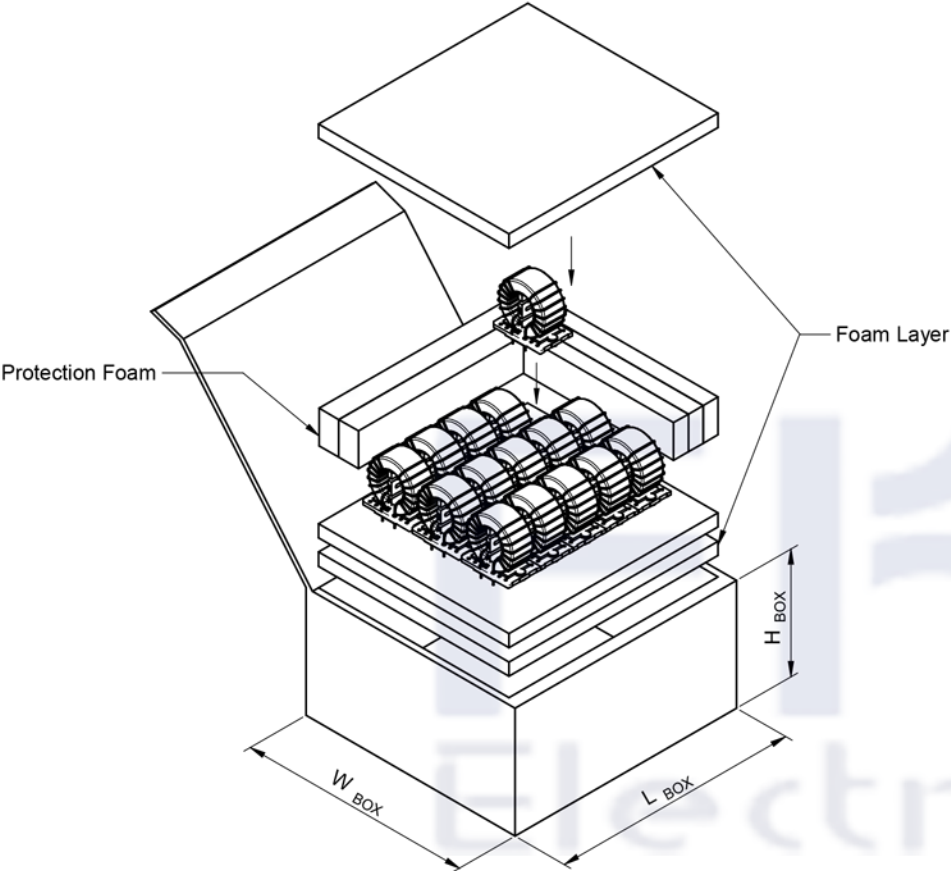


Test Setup:

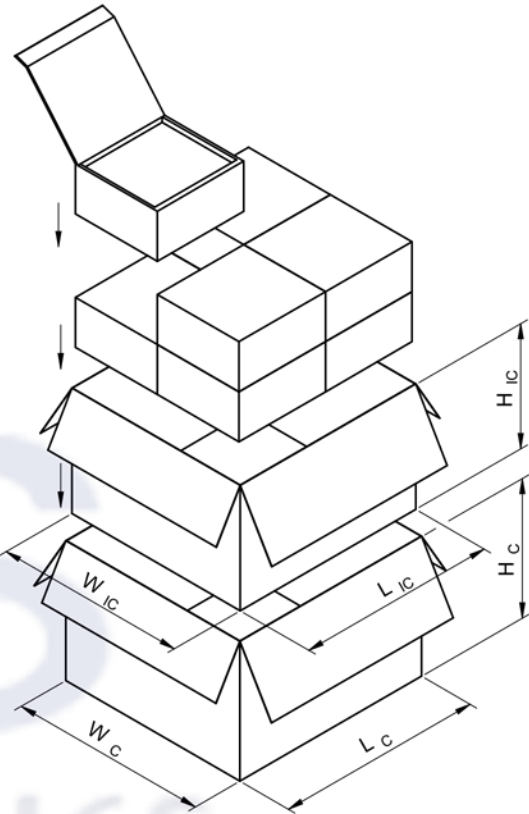


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		DESCRIPTION Common Mode Power Line Choke Nanocrystalline			ORDER CODE FKS7448060814
		SIZE XXL	REVISION 001.003	STATUS Valid	

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



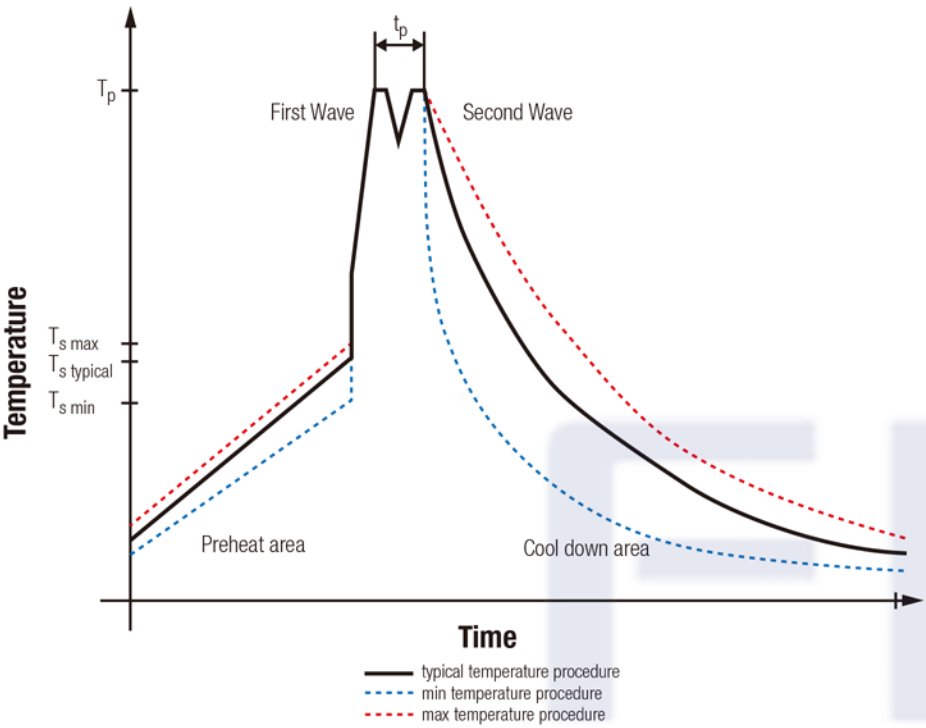
L_{IC} (mm)	W_{IC} (mm)	H_{IC} (mm)	L_{OC} (mm)	W_{OC} (mm)	H_{OC} (mm)	No. of box	No. of inner Carton	Packaging Unit	Material
typ.	typ.	typ.	typ.	typ.	typ.	pcs.	pcs.	pcs.	
356,00	350,00	226,00	378,00	362,00	252,00	8	1	120	Paper

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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	$T_{s\ typical}$	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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GENERAL TOLERANCE
DIN ISO 2768-1m

PROJECTION METHOD

DESCRIPTION

Common Mode Power
Line Choke Nanocrystalline

ORDER CODE
FKS7448060814

SIZE
XXL

REVISION
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STATUS
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