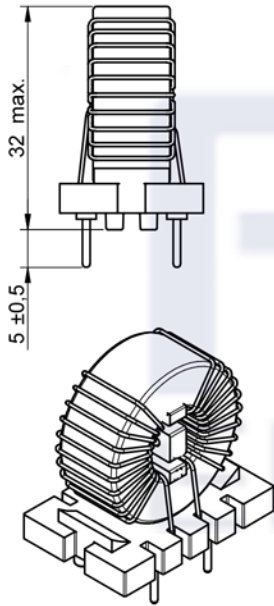
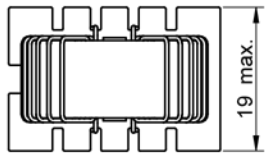
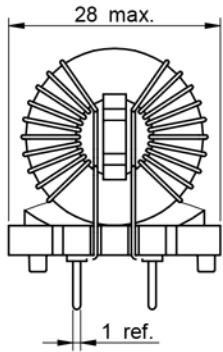
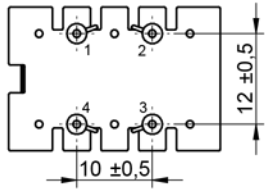
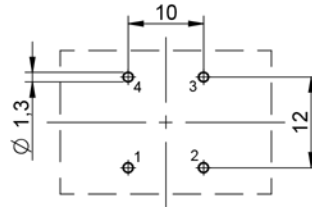


Dimensions: [mm]



Scale - 1:1

Recommended Hole Pattern: [mm]



Scale - 1:1

Schematic:



Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance	10 kHz/ 0.1 mA	L	2x82	mH	+50%/-30%
Rated Current	@ 70 °C	I _R	2.5	A	max.
DC Resistance	@ 20 °C	R _{DC}	2x170	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	

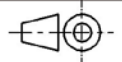
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
 FKS(Xi'an) Electronic Technology Co.,Ltd.
 Address: B1 Building,Western Cloud Valley,Fengxi New Town,
 Xixian New Area,Xi'an City, Shaanxi Province,China.
 Tel: +86-29-8868 5333
 Fax: +86-29-8868 0913

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GENERAL TOLERANCE
DIN ISO 2768-1m

PROJECTION
METHOD

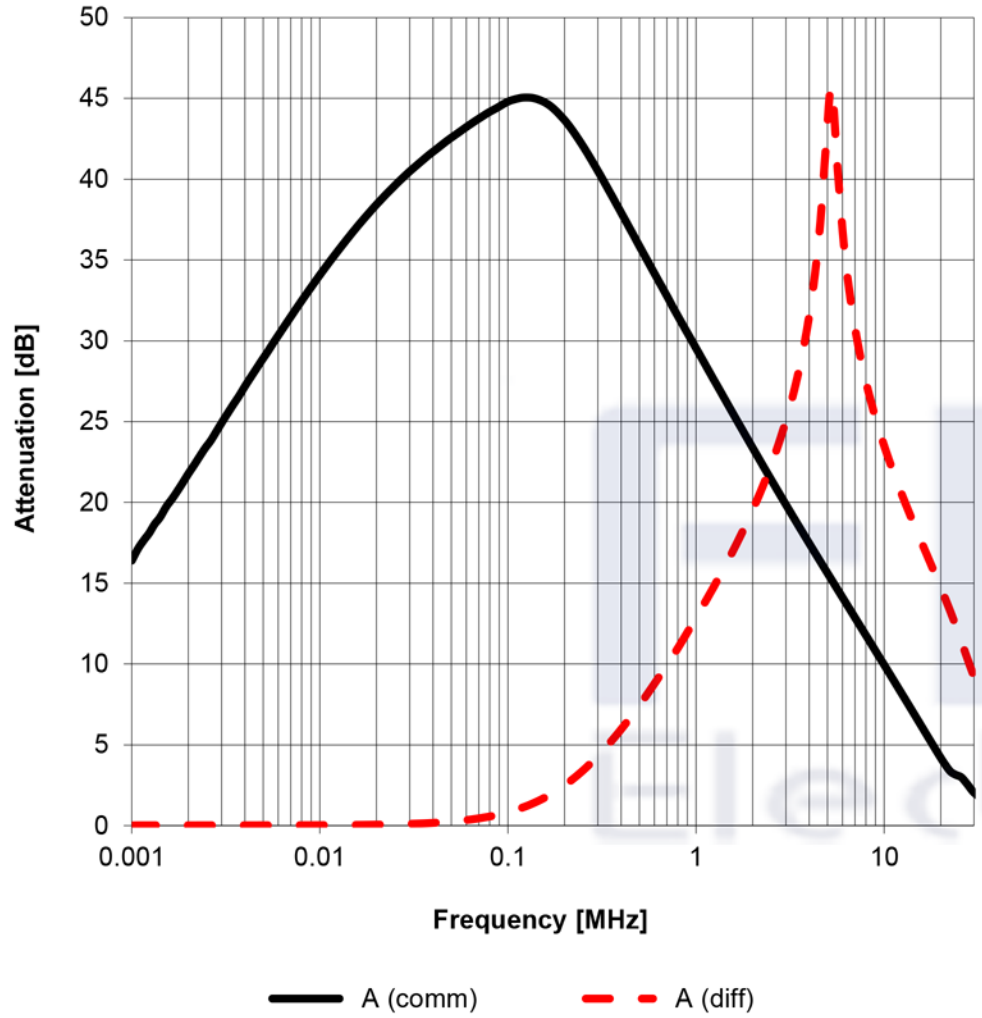


DESCRIPTION
**Common Mode Power
Line Choke Nanocrystalline**

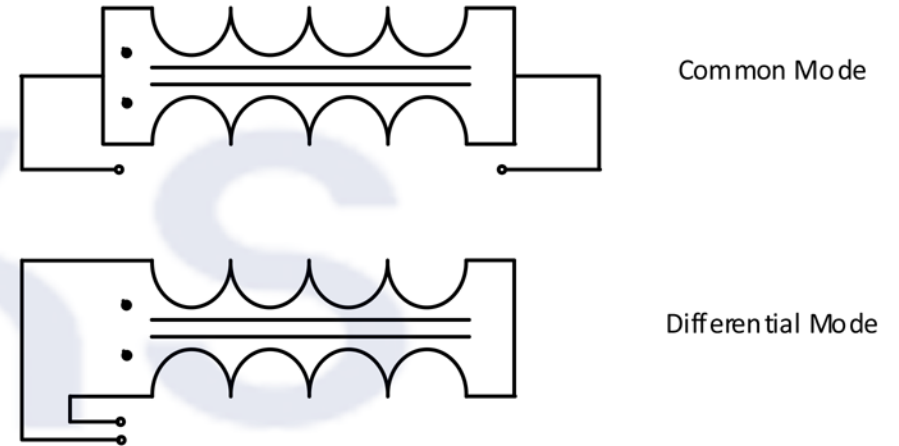
ORDER CODE
FKS7448040382

SIZE	REVISION	STATUS
L	001.004	Valid

Typical Insertion Loss:



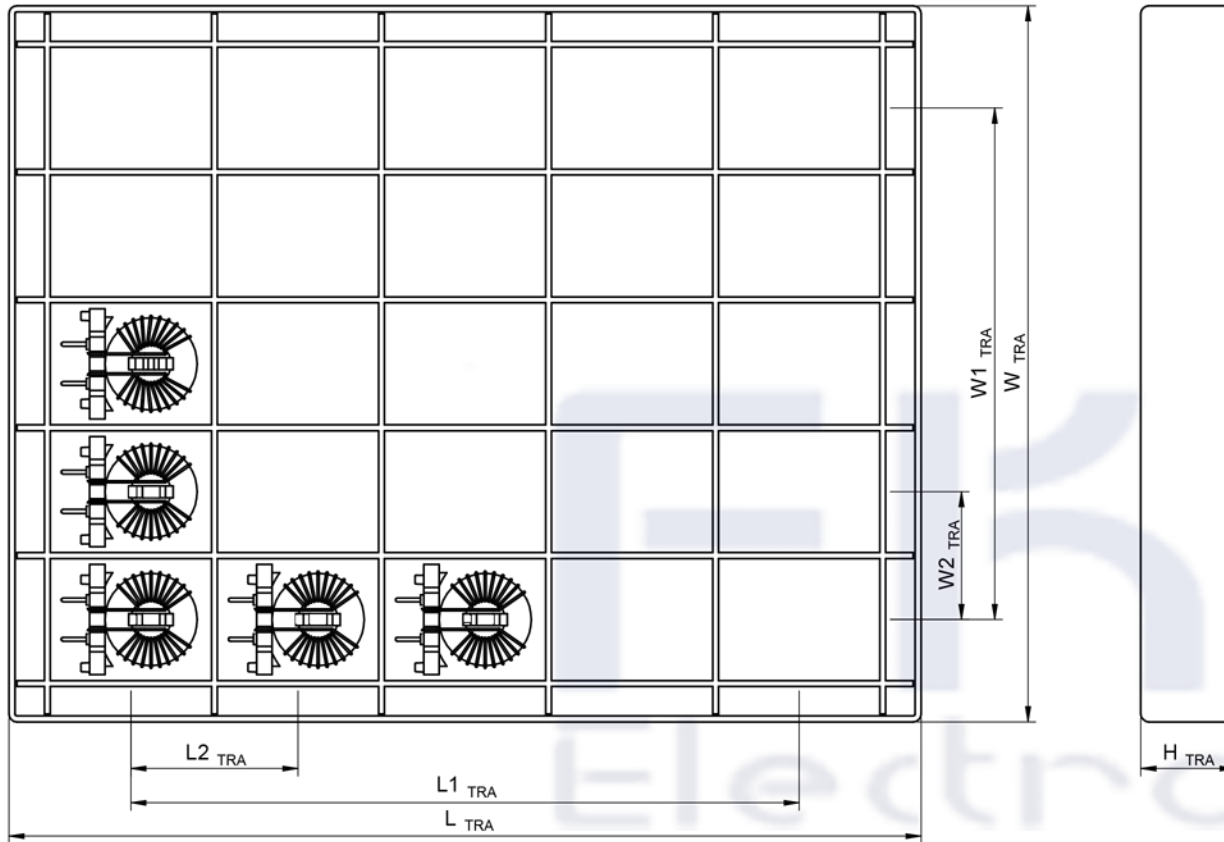
Test Setup:



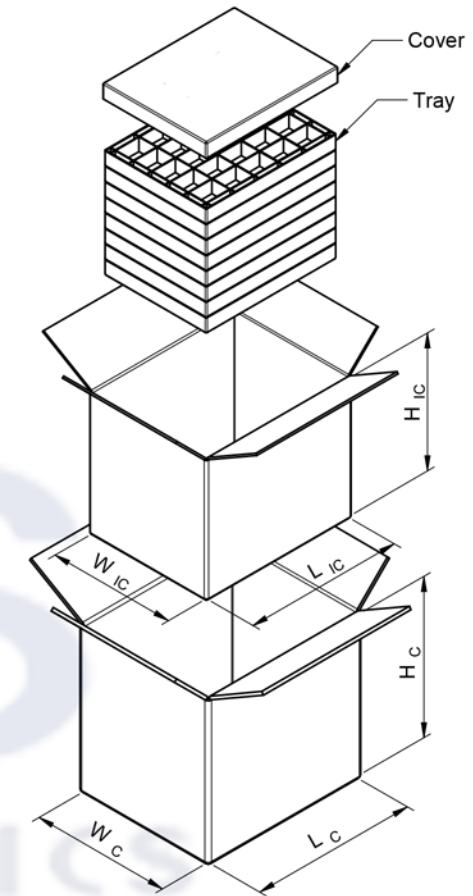
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913		GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD
DESCRIPTION Common Mode Power Line Choke Nanocrystalline		ORDER CODE FKS7448040382	
SIZE L	REVISION 001.004	STATUS Valid	



Packaging Specification - Tray and Carton: [mm]



L _{TRA} (mm)	L _{1TRA} (mm)	L _{2TRA} (mm)	W _{TRA} (mm)	W _{1TRA} (mm)	W _{2TRA} (mm)	H _{TRA} (mm)	Packaging Unit	Material
typ.	typ.	typ.	typ.	typ.	typ.	typ.	pcs.	
235,00	170,00	42,50	185,00	130,00	32,50	24,00	25	Paper



L _{IC} (mm)	W _{IC} (mm)	H _{IC} (mm)	L _C (mm)	W _C (mm)	H _C (mm)	No. of tray	Packaging Unit	Material
typ.	typ.	typ.	typ.	typ.	typ.	pcs.	pcs.	
260	210	217	275,00	232,00	255,00	8	200	Paper

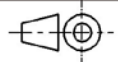
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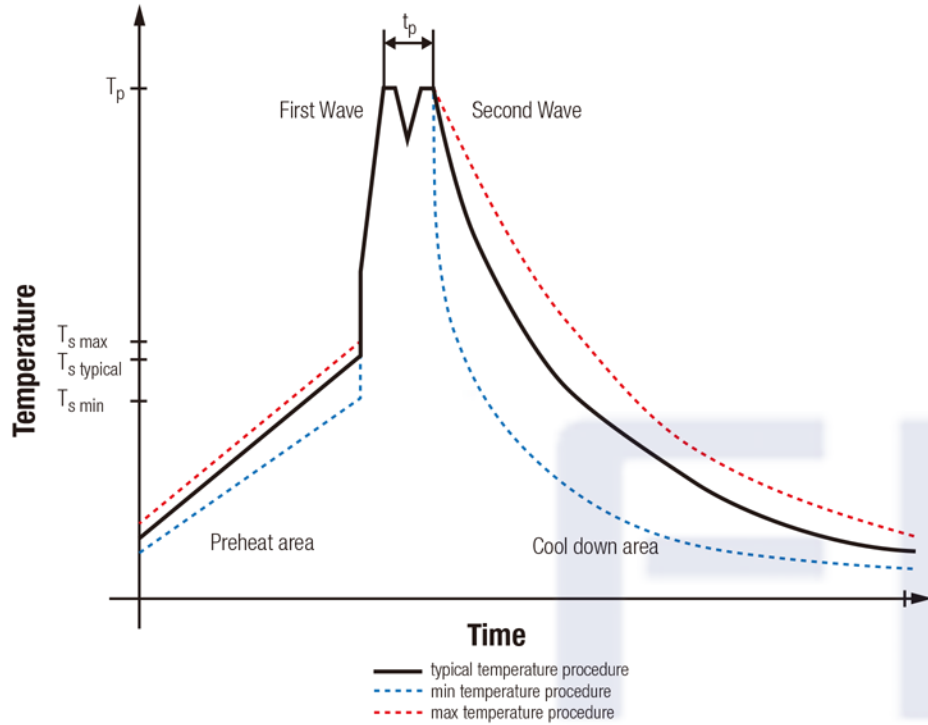
REVISION

001.004

STATUS

Valid

Classification Wave Soldering Profile:



Classification Wave Soldering Profile:

Profile Feature		Pb-Free Assembly	Sn-Pb Assembly
Preheat Temperature Min	$T_{s \text{ min}}$	100 °C	100 °C
Preheat Temperature Typical	$T_{s \text{ typical}}$	120 °C	120 °C
Preheat Temperature Max	$T_{s \text{ max}}$	130 °C	130 °C
Preheat Time t_s from $T_{s \text{ min}}$ to $T_{s \text{ max}}$	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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