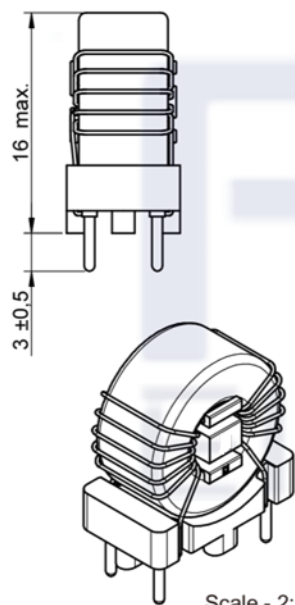
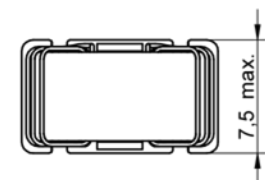
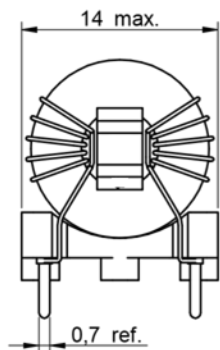
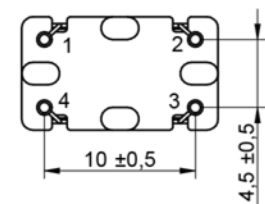
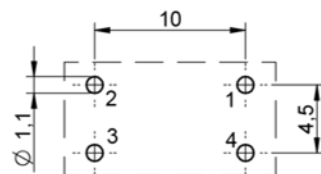


Dimensions: [mm]



Scale - 2:1

Recommended Hole Pattern: [mm]



Scale - 2:1

Schematic:



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Electrical Properties:

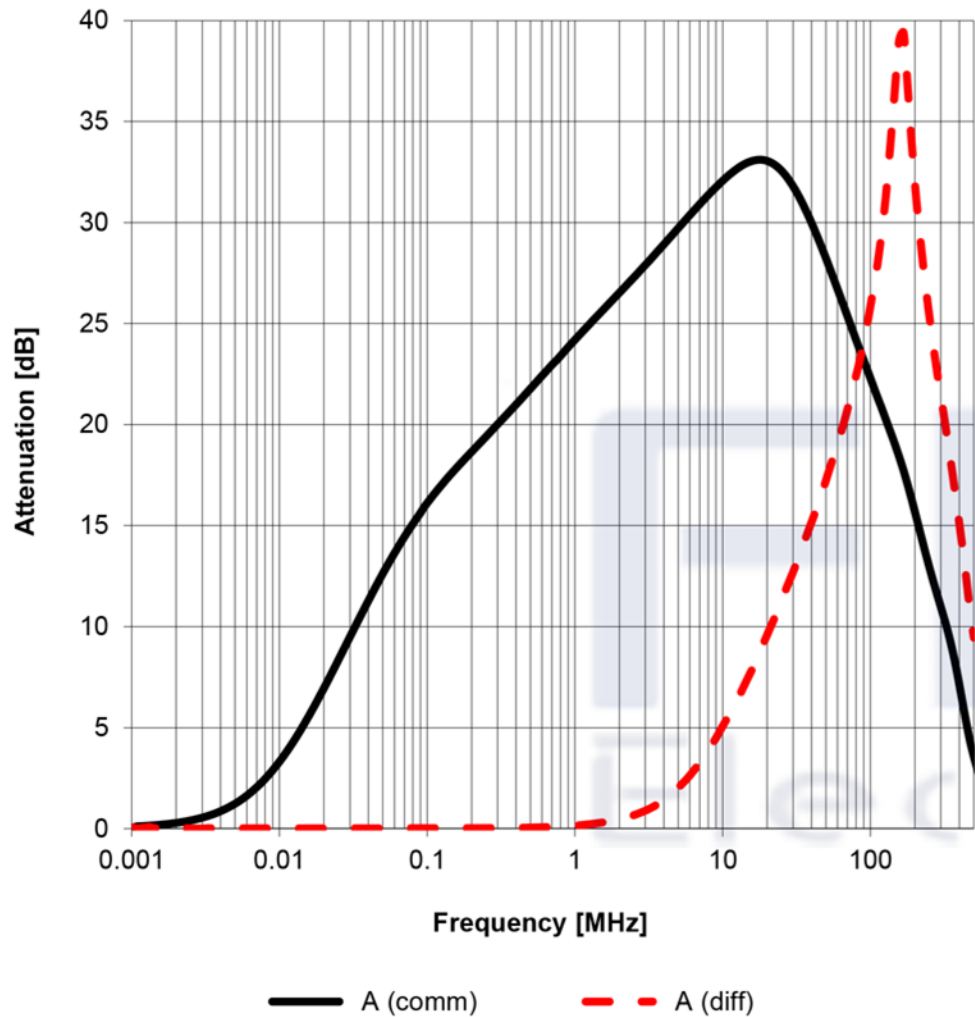
Properties	Test conditions		Value	Unit	Tol.
Inductance	10 kHz/ 0.1 mA	L	2x1.6	mH	+50%/-30%
Rated Current	@ 70 °C	I _R	2	A	max.
DC Resistance	@ 20 °C	R _{DC}	2x90	mΩ	max.
Rated Voltage	50 Hz	U _R	250	V (AC)	max.
Insulation Test Voltage	50 Hz/ 5 mA/ 2 sec.	U _T	1500	V (AC)	

General Properties:

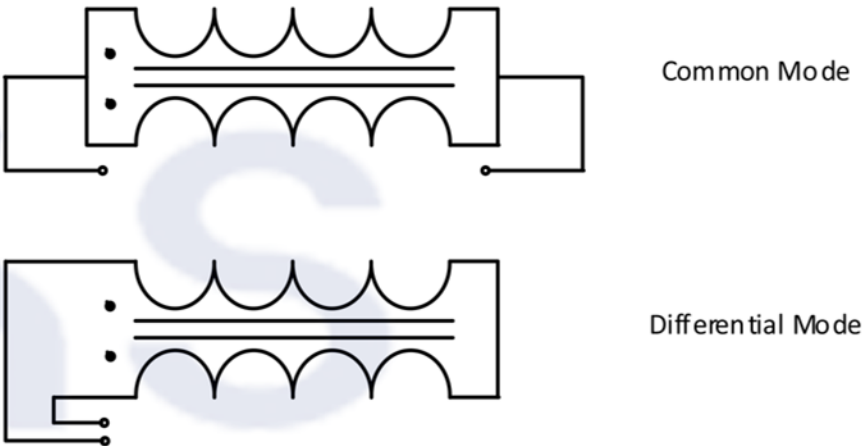
It is recommended that the temperature of the component does not exceed +125°C under worst case conditions	
Storage Temperature (in original packaging)	-20 °C up to +60 °C
Operating Temperature	-40 °C up to +125 °C
Temperature Rise < 55K	
Test conditions of Electrical Properties: +20°C, 33% RH if not specified differently	

GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 	
DESCRIPTION Common Mode Power Line Choke Nanocrystalline		ORDER CODE FKS7448012002	
SIZE XS	REVISION 001.004	STATUS Valid	

Typical Insertion Loss:

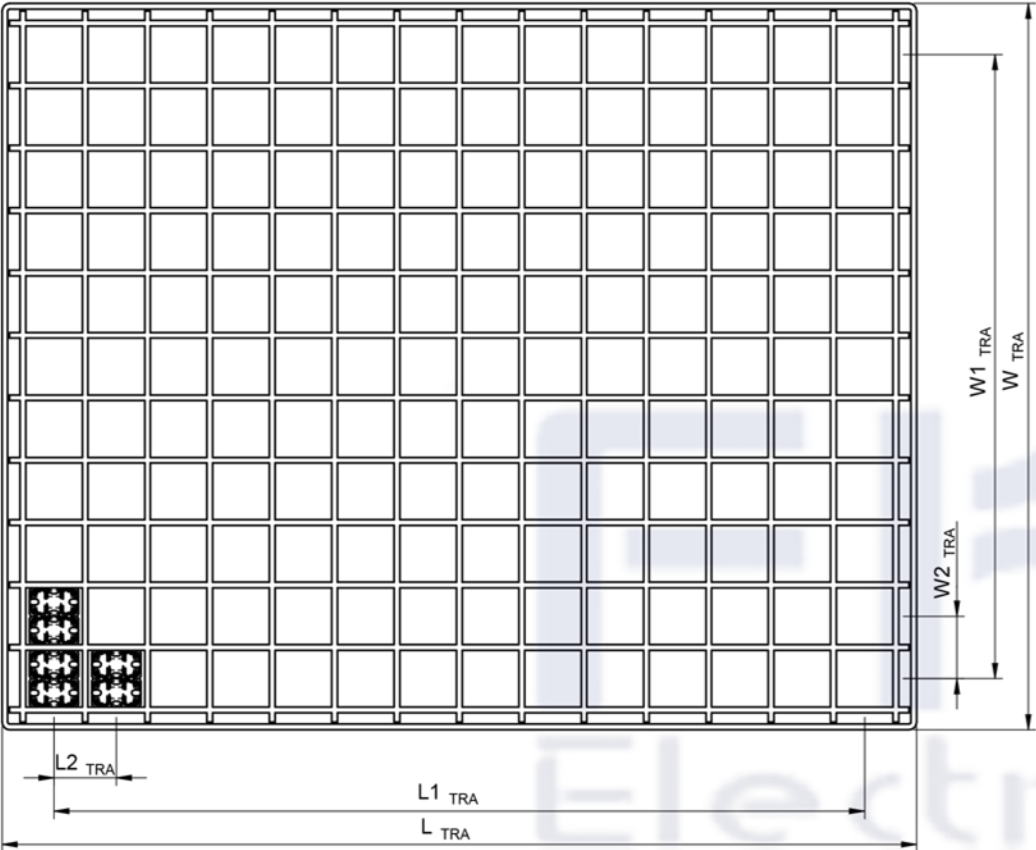


Test Setup:

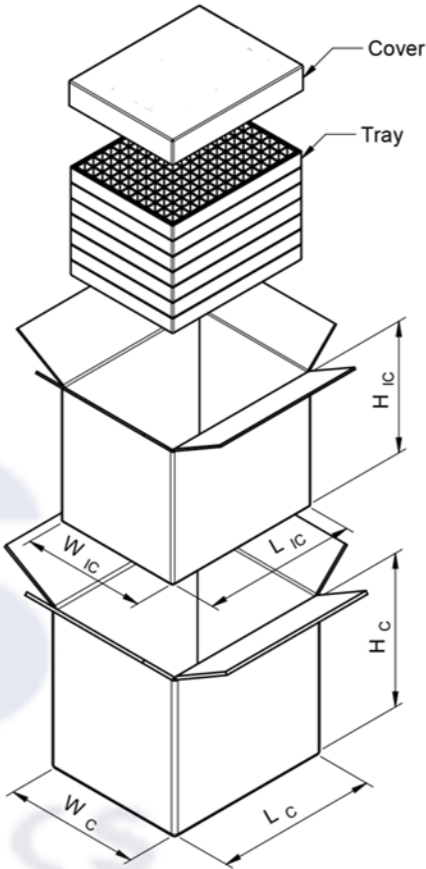


Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913			GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD	
			DESCRIPTION Common Mode Power Line Choke Nanocrystalline			ORDER CODE FKS7448012002
			SIZE XS	REVISION 001.004	STATUS Valid	

Packaging Specification - Tray and Carton: [mm]



L _{TRA} (mm)	L1 _{TRA} (mm)	L2 _{TRA} (mm)	W _{TRA} (mm)	W1 _{TRA} (mm)	W2 _{TRA} (mm)	H _{TRA} (mm)	Packaging Unit	Material
typ.	typ.	typ.	typ.	typ.	typ.	typ.	pcs.	
245,00	214,50	16,50	195,00	165,00	16,50	25,00	300	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	7	2100	Paper

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GENERAL TOLERANCE
DIN ISO 2768-1m

PROJECTION METHOD

DESCRIPTION
**Common Mode Power
Line Choke Nanocrystalline**

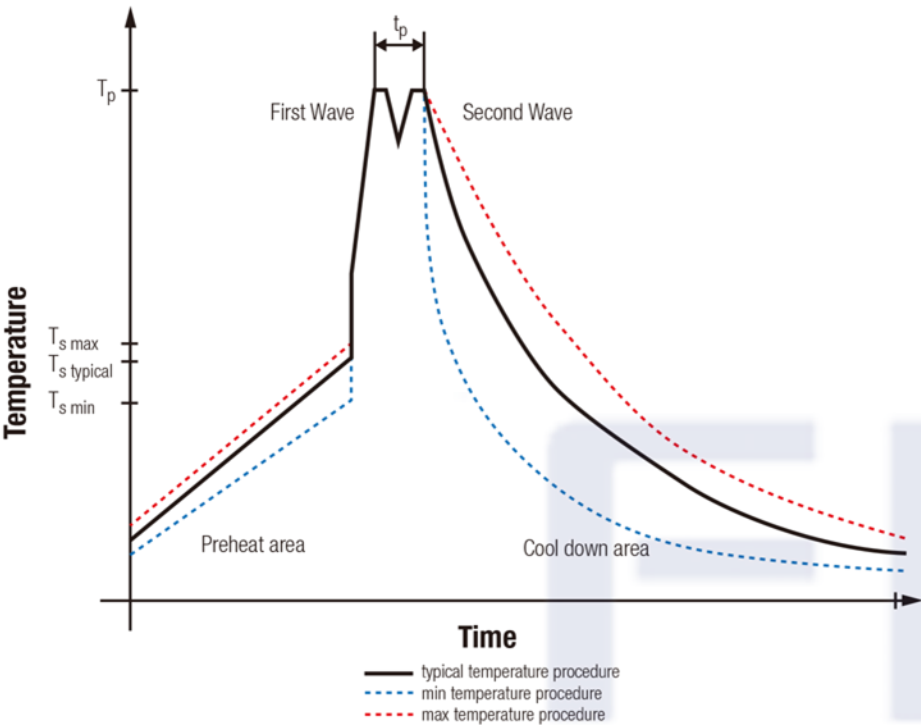
ORDER CODE
FKS7448012002

SIZE
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REVISION
001.004

STATUS
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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
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