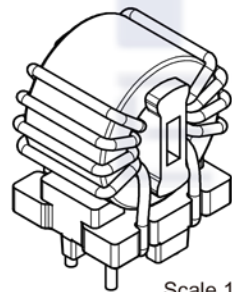
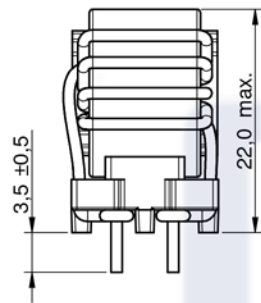
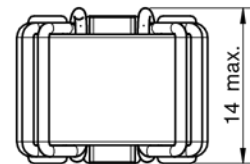
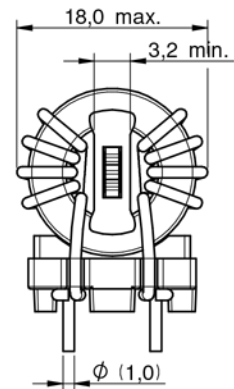
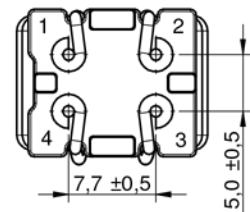
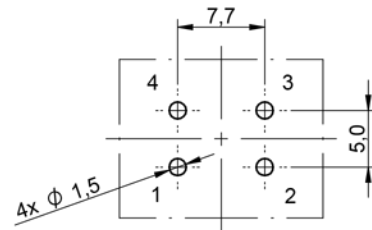


Dimensions: [mm]



Scale 1,5 : 1

Recommended Hole Pattern: [mm]



Scale - 1,5:1

Schematic:



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FKS(Xi'an) Electronic Technology Co.,Ltd.
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Tel: +86-29-8868 5333
Fax: +86-29-8868 0913



Electrical Properties:

Properties		Test conditions	Value	Unit	Tol.
Inductance	L	10 kHz/ 0.1 mA	1	mH	+50%/-30%
Rated Current	I _R	@ 70 °C	7	A	max.
DC Resistance	R _{DC}	@ 20 °C	6	mΩ	max.
Rated Voltage	U _R	50 Hz	250	V (AC)	max.
Insulation Test Voltage	U _T	50 Hz/ 5 mA/ 2 sec.	1500	V (AC)	

General Properties:

It is recommended that the temperature of the component does not exceed +125 °C under worst case conditions	
Operating Temperature	-40 up to +125 °C
Storage Conditions (in original packaging)	< 40 °C ; < 75 % RH
Moisture Sensitivity Level (MSL)	1
Temperature Rise < 55 K	
Test conditions of Electrical Properties: +20 °C, 33 % RH if not specified differently	

Common Mode Power
Line Choke Nanocrystalline

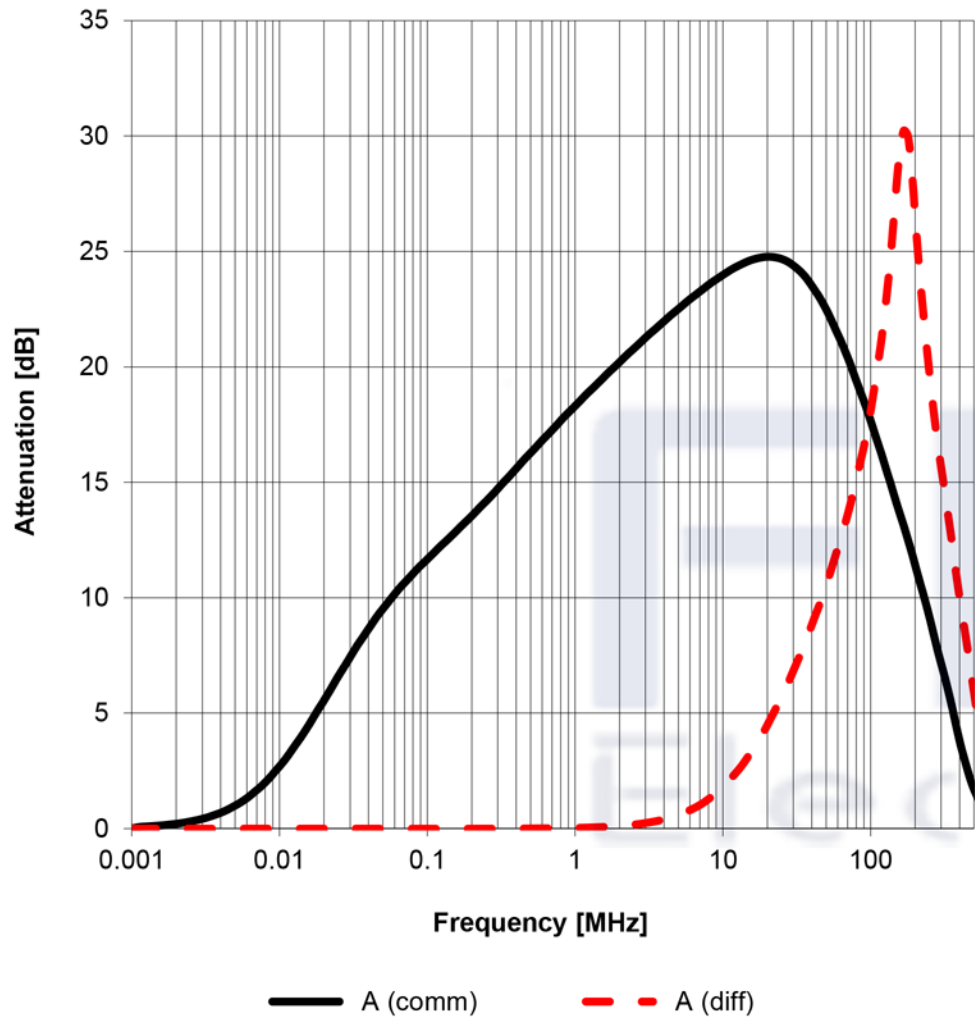
ORDER CODE
FKS7448027001

SIZE
Type S

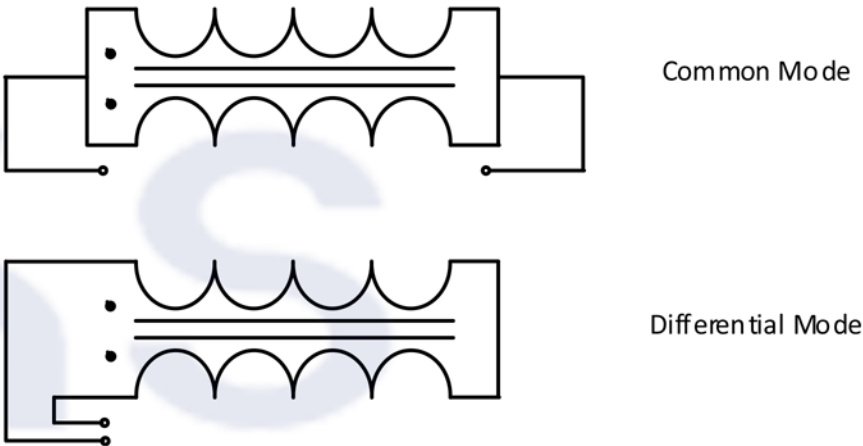
REVISION
001.001

STATUS
Valid

Typical Insertion Loss:

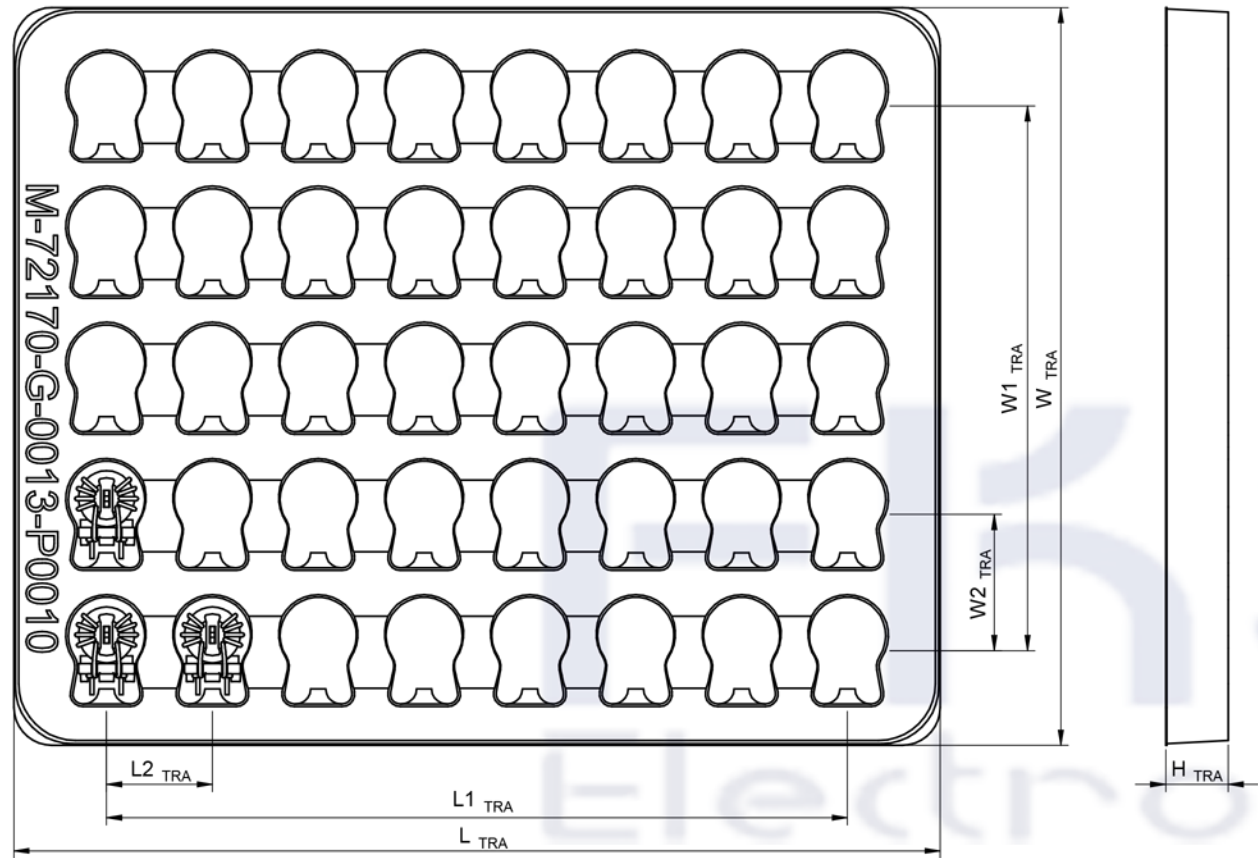


Test Setup:

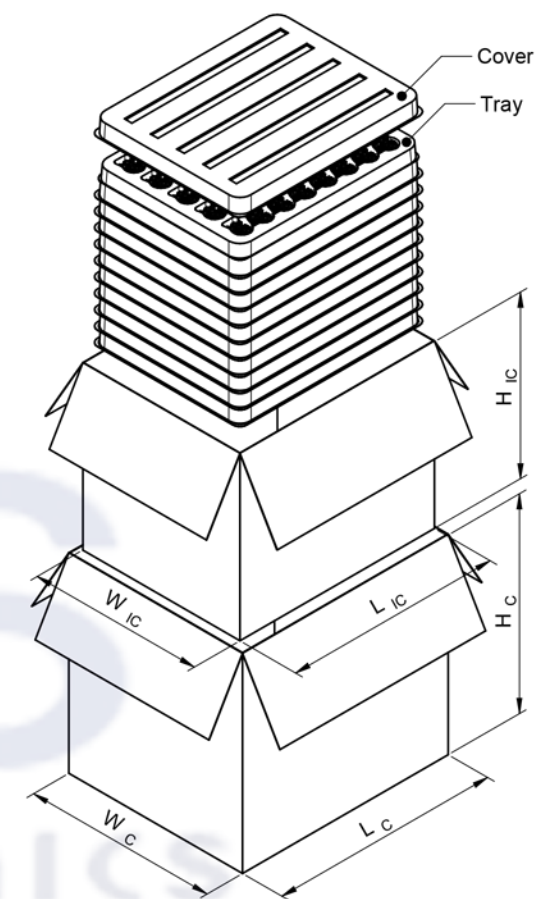


Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. FKS(Xi'an) Electronic Technology Co.,Ltd. Address: B1 Building,Western Cloud Valley,Fengxi New Town, Xixian New Area,Xi'an City, Shaanxi Province,China. Tel: +86-29-8868 5333 Fax: +86-29-8868 0913			GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD		
			DESCRIPTION				
			Common Mode Power Line Choke Nanocrystalline			ORDER CODE FKS7448027001	
SIZE Type S	REVISION 001.001	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	196,00	28,00	195,00	144,00	36,00	22,00	40	PET



L _C (mm)	W _C (mm)	H _C (mm)	L _{IC} (mm)	W _{IC} (mm)	H _{IC} (mm)	Packaging Unit	Material
typ.	typ.	typ.	typ.	typ.	typ.	PCS.	
260	210	217	275,00	232,00	255,00	480	Paper

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FKS

Electronics

GENERAL TOLERANCE
DIN ISO 2768-1m

PROJECTION METHOD

DESCRIPTION
**Common Mode Power
Line Choke Nanocrystalline**

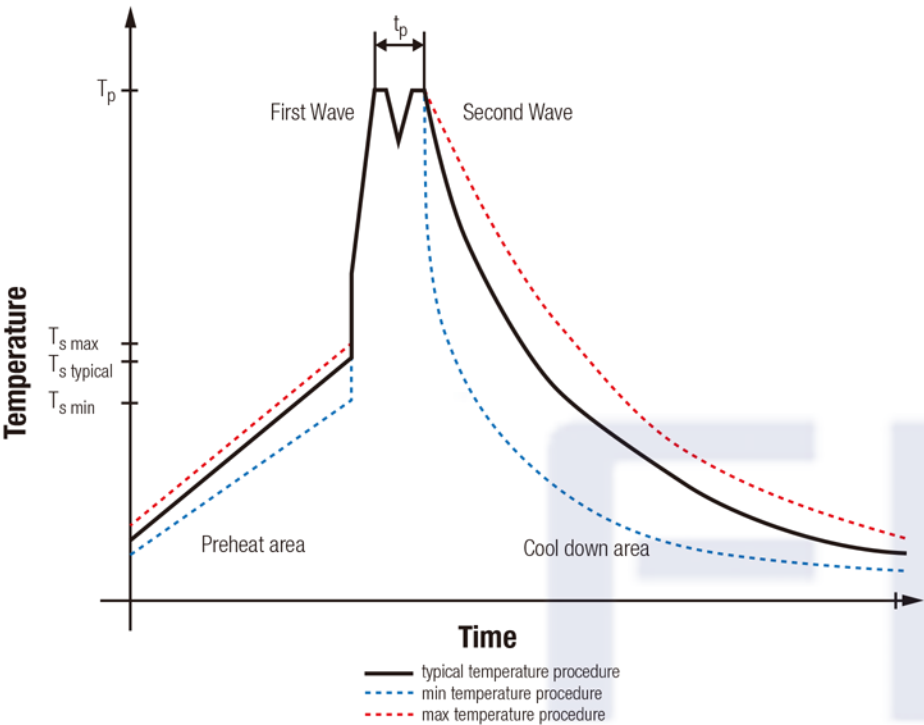
ORDER CODE
FKS7448027001

SIZE
Type S

REVISION
001.001

STATUS
Valid

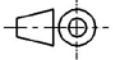
Classification Wave Soldering Profile:



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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 		DESCRIPTION Common Mode Power Line Choke Nanocrystalline			ORDER CODE FKS7448027001	
		SIZE Type S	REVISION 001.001	STATUS Valid		