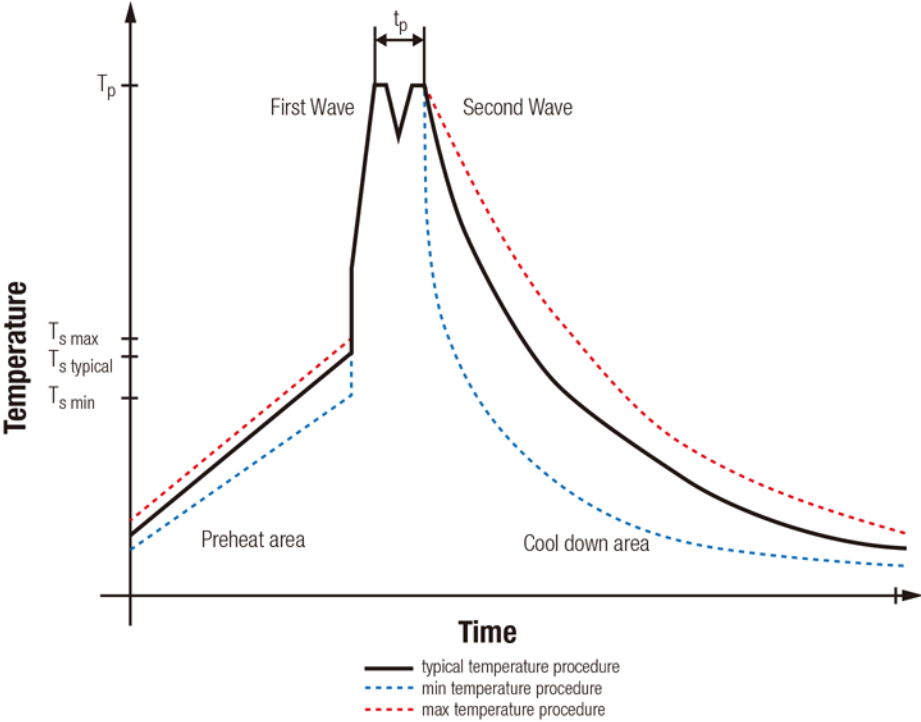


Classification Wave Soldering Profile:



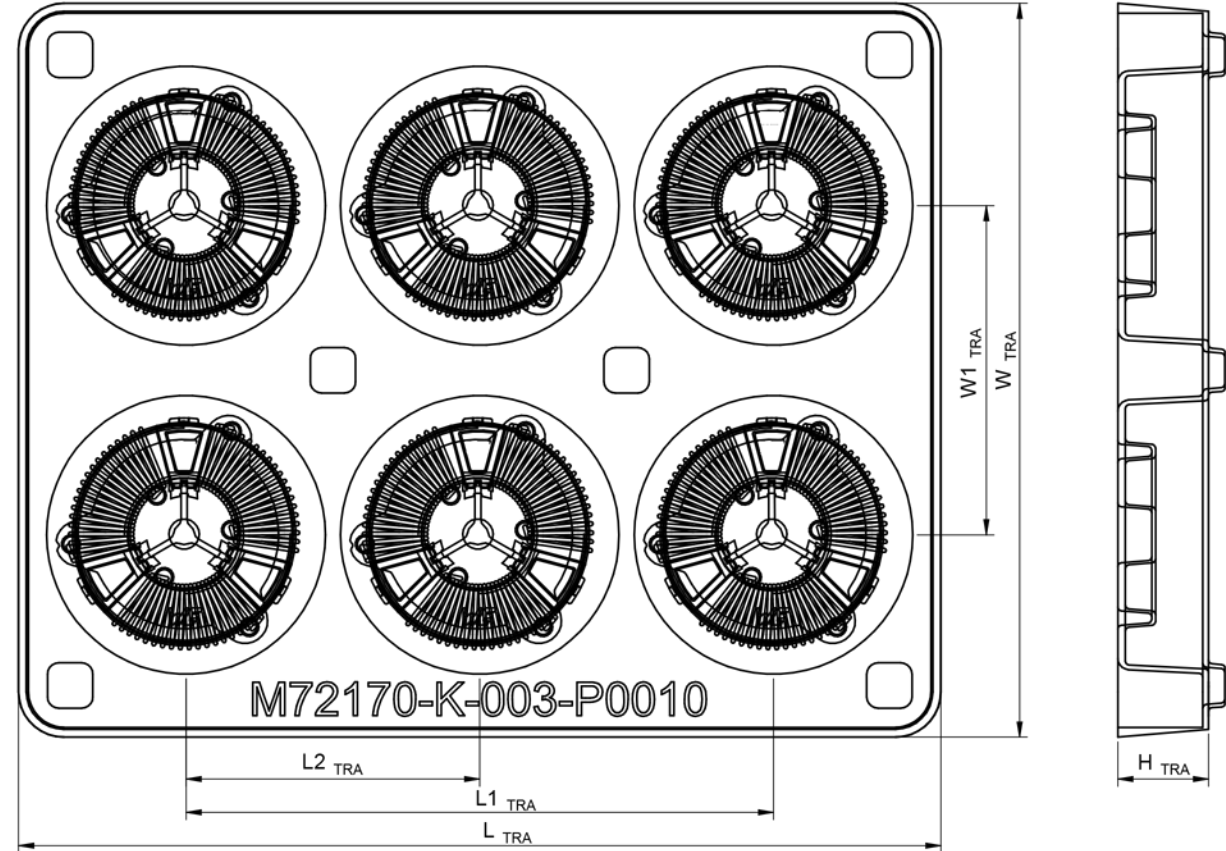
Classification Wave Soldering Profile:

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

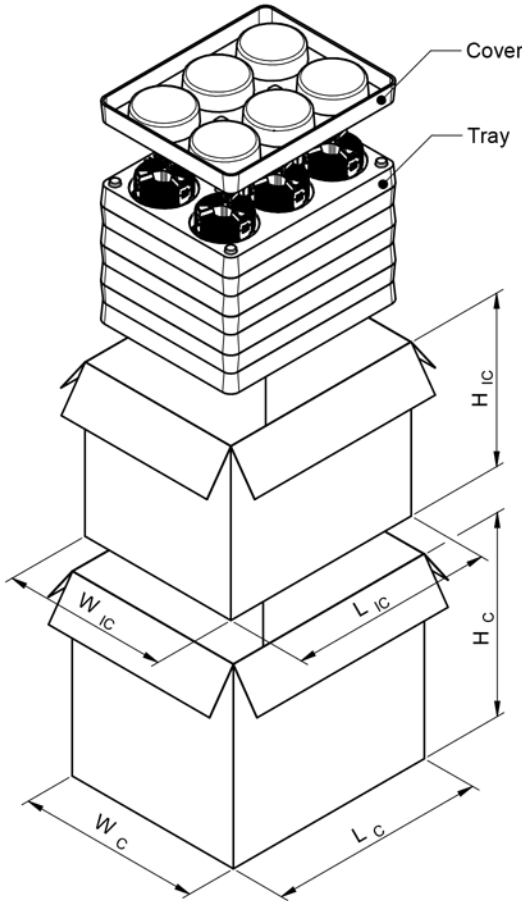
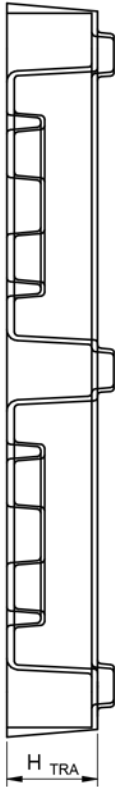
refer to EN61760-1:2006

 RoHS COMPLIANT  REACH COMPLIANT  HALOGEN FREE			DATE (YYYY-MM-DD) 2019-02-28		GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 	
 Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. Address:Building B1,The West Cloud Valley, Fengxi New City, Xixian New Area,Xianyang City,Shaanxi Province,China. Tel:0086 29 8868 5333 Fax:0086 29 8868 0913 http://www.fks-tech.com			DESCRIPTION HV Three-Phase Common Mode Power Line Choke				ORDER CODE FKS744835050135	
			SIZE/TYPE 4XL		STATUS Valid			

Packaging Specification - Tray and Carton: [mm]



L_TRA (mm)	L1_TRA (mm)	L2_TRA (mm)	W_TRA (mm)	W1_TRA (mm)	H_TRA (mm)	Packaging Unit	Material
typ.	typ.	typ.	typ.	typ.	typ.	pcs.	
245,00	155,40	77,70	195,00	87,00	48,00	6	PET



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.	
260,00	210,00	217,00	275,00	232,00	255,00	4	24	Paper

 RoHS COMPLIANT  REACH COMPLIANT  HALOGEN FREE			DATE (YYYY-MM-DD) 2019-02-28		GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 	
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FKS Electronics

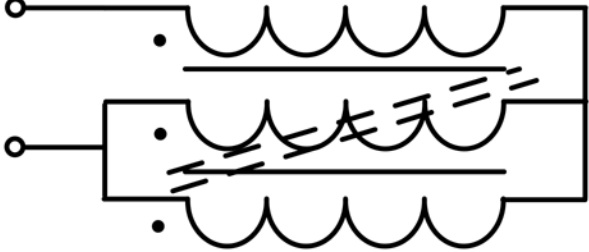
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
Address:Building B1,The West Cloud Valley, Fengxi New City,
Xixian New Area,Xianyang City,Shaanxi Province,China.
Tel:0086 29 8868 5333 Fax:0086 29 8868 0913
[Http://www.fks-tech.com](http://www.fks-tech.com)

Test Setup:

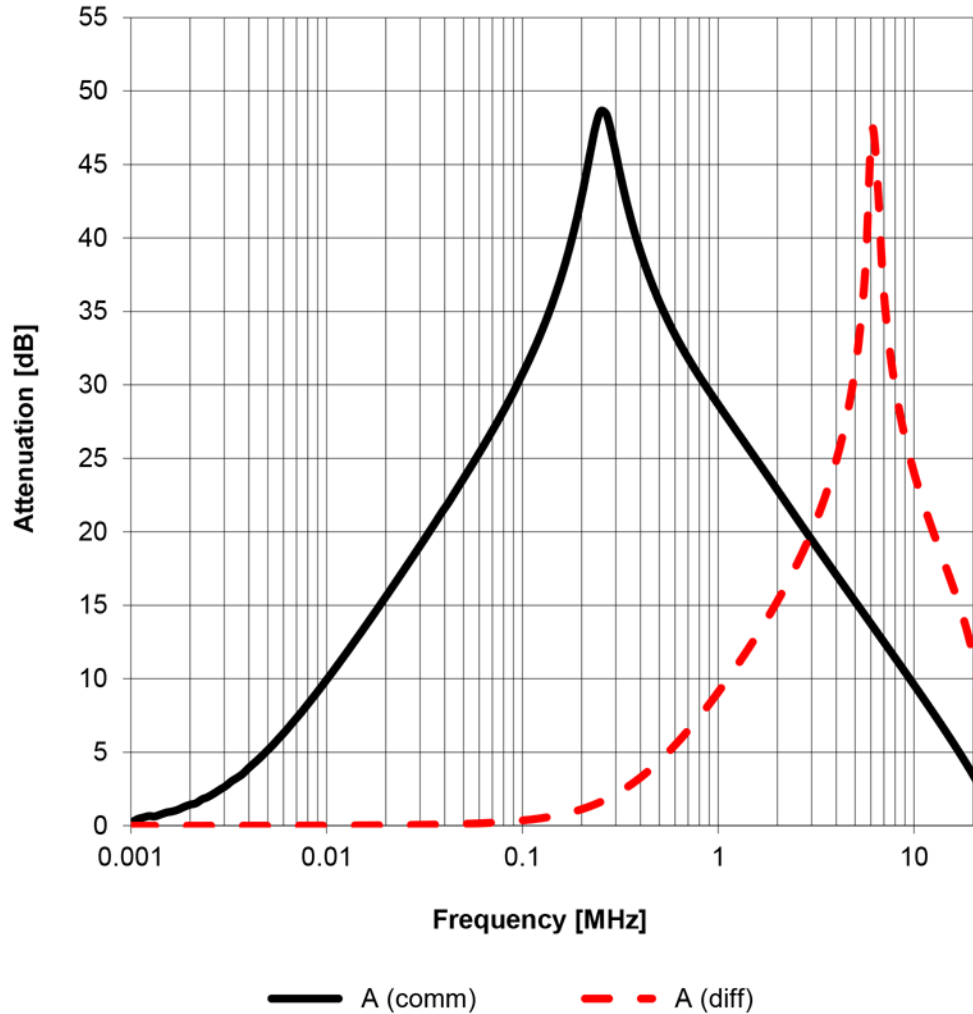
Common Mode



Differential Mode

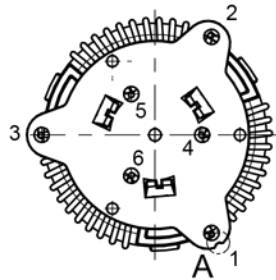


Typical Insertion Loss:

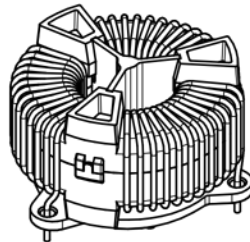
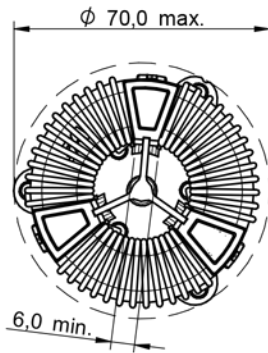
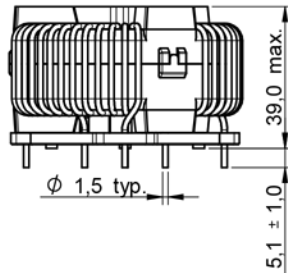
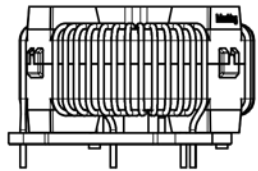


 RoHS COMPLIANT  REACH COMPLIANT  HALOGEN FREE					DATE (YYYY-MM-DD) 2019-02-28		GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 	
 FKS Electronics  Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. Address:Building B1,The West Cloud Valley, Fengxi New City, Xixian New Area,Xianyang City,Shaanxi Province,China. Tel:0086 29 8868 5333 Fax:0086 29 8868 0913 Http://www.fks-tech.com			DESCRIPTION							
			HV Three-Phase Common Mode Power Line Choke						ORDER CODE	
									FKS744835050135	
			SIZE/TYPE			STATUS				
			4XL			Valid				

Dimensions: [mm]

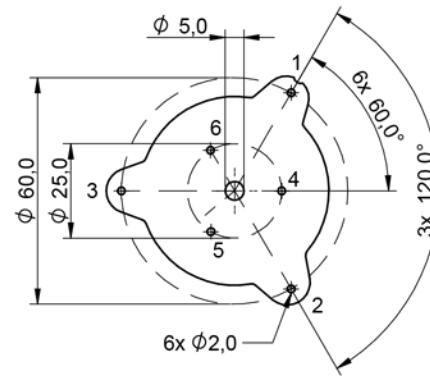


detail A



Scale - 1:2

Recommended Hole Pattern: [mm]



Scale - 1:2

Schematic:



Electrical Properties:

Properties		Test conditions	Value	Unit	Tol.
Inductance	L	10 kHz/ 0.1 mA	5	mH	±30%
Rated Current	I _R	@ 70 °C	13.5	A	max.
DC Resistance	R _{DC}	@ 20 °C	3x23	mΩ	max.
Rated Voltage	U _R	50 Hz	760	V (AC)	max.
Insulation Test Voltage	U _T	50 Hz/ 2 sec.	3000	V (AC)	max.

Certification:

RoHS Approval	Compliant [2011/65/EU&2015/863]
REACH Approval	Conform or declared [(EC)1907/2006]
Halogen Free	Conform [JEDEC JS709B]
Halogen Free	Conform [IEC 61249-2-21]

General Information:

It is recommended that the temperature of the component does not exceed +125 °C under worst case conditions	
Ambient Temperature (referring to I _R)	-40 up to +70 °C
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	
Due to heavy weight, we recommend to fix the component on PCB with a self tapping screw: 4.8*x x = screw length, depends from used PCB thickness	
Test conditions of Electrical Properties: +20 °C, 33 % RH if not specified differently	



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DATE (YYYY-MM-DD) 2019-02-28	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD
DESCRIPTION HV Three-Phase Common Mode Power Line Choke		ORDER CODE FKS744835050135
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