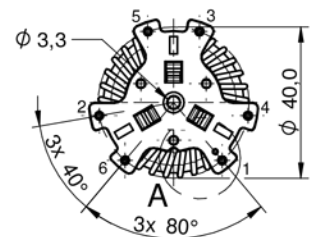
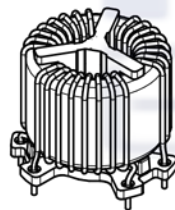
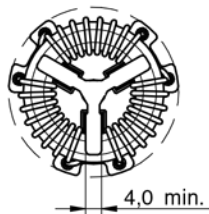
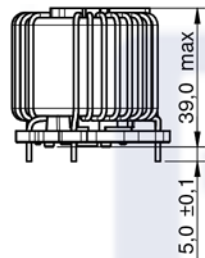
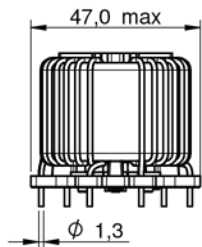


Dimensions: [mm]

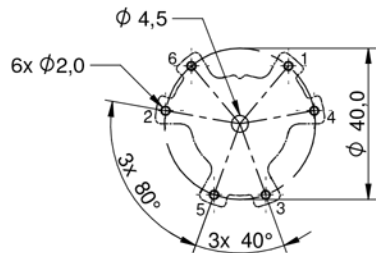


detail A



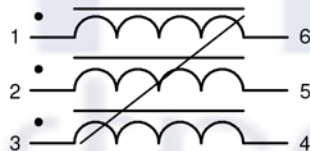
Scale - 1:2

Recommended Hole Pattern: [mm]



Scale - 1:2

Schematic:



Product Marking:

Marking	744833052100
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Electrical Properties:

Properties		Test conditions	Value	Unit	Tol.
Number of windings	N		3		
Inductance	L	10 kHz/ 0.1 mA	5.2	mH	±30%
DC Resistance	R _{DC}	@ 20 °C	27	mΩ	max.
Rated Current	I _R	@ 70 °C	10	A	max.
Rated Voltage	V _R	50 Hz	500	V (AC)	max.
Insulation Test Voltage	V _T	50 Hz/ 5 mA/ 2 sec.	2500	V (AC)	

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:

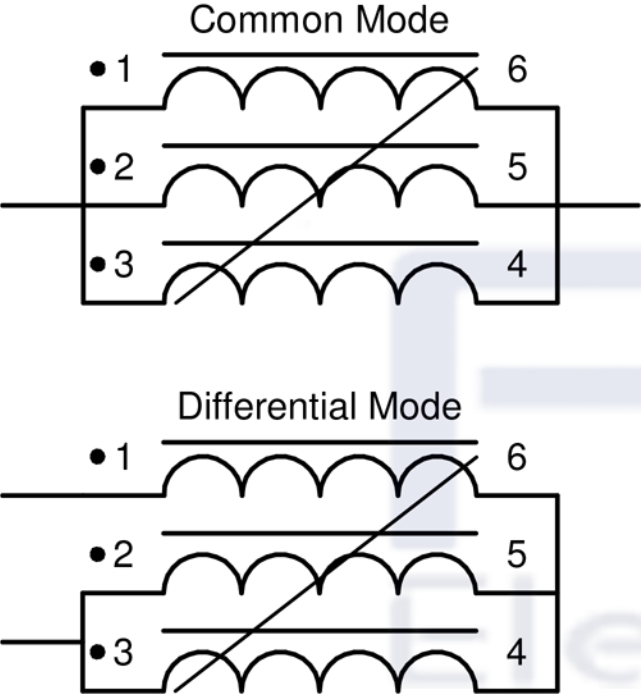
It is recommended that the temperature of the component does not exceed +125 °C under worst case conditions	
Operating Temperature	-40 up to +125 °C
Storage Conditions (in original packaging)	< 40 °C ; < 75 % RH
Moisture Sensitivity Level (MSL)	1
Temperature Rise < 55 K	
Due to heavy weight, we recommend to fix the component on PCB (1.6 mm thickness) with a self tapping screw: 4.2*x19	
Test conditions of Electrical Properties: +20 °C, 33 % RH if not specified differently	



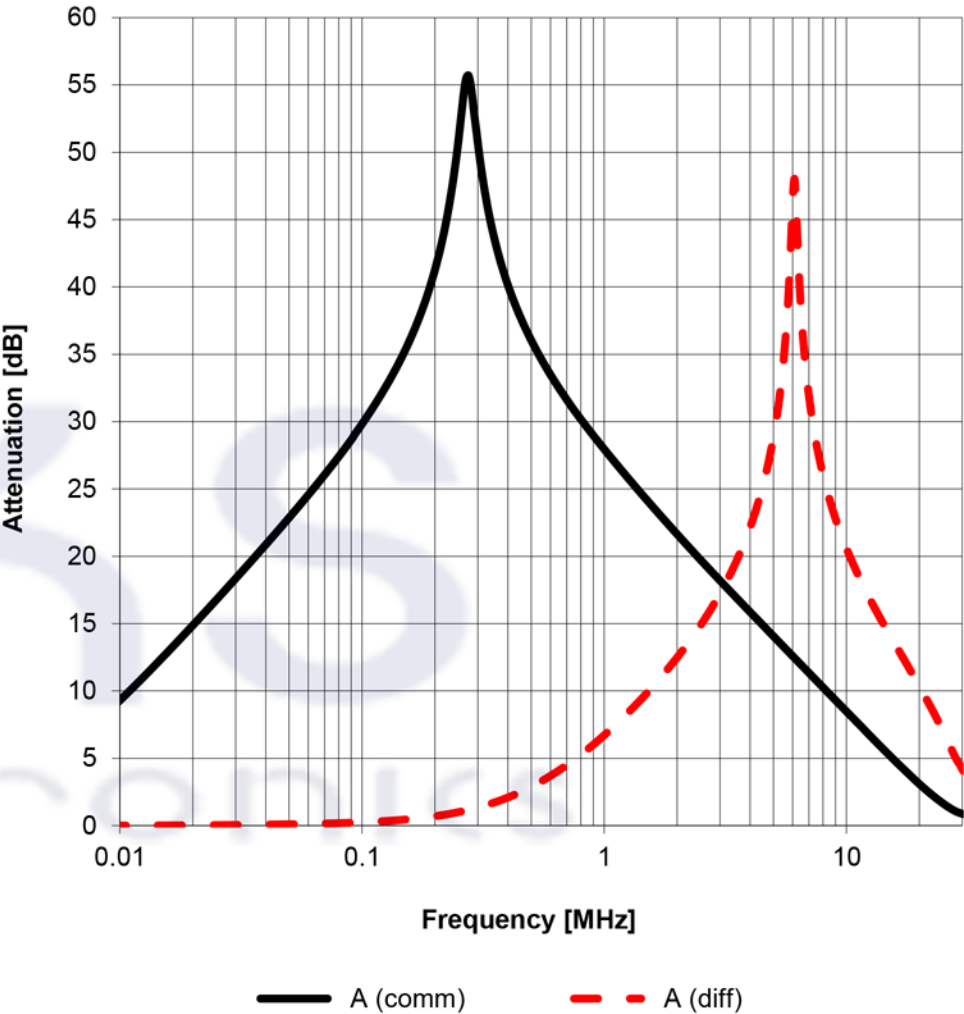
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
Address:Building B1,The West Cloud Valley, Fengxi New City,
Xixian New Area,Xianyang City,Shaanxi Province,China.
Tel:0086 29 8868 5333 Fax:0086 29 8868 0913
[Http://www.fks-tech.com](http://www.fks-tech.com)

DATE (YYYY-MM-DD) 2019-04-08	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD
DESCRIPTION Three Phase Common Mode Power Line Choke		ORDER CODE FKS744833052100
SIZE/TYPE 3XL		STATUS Valid

Test Setup:

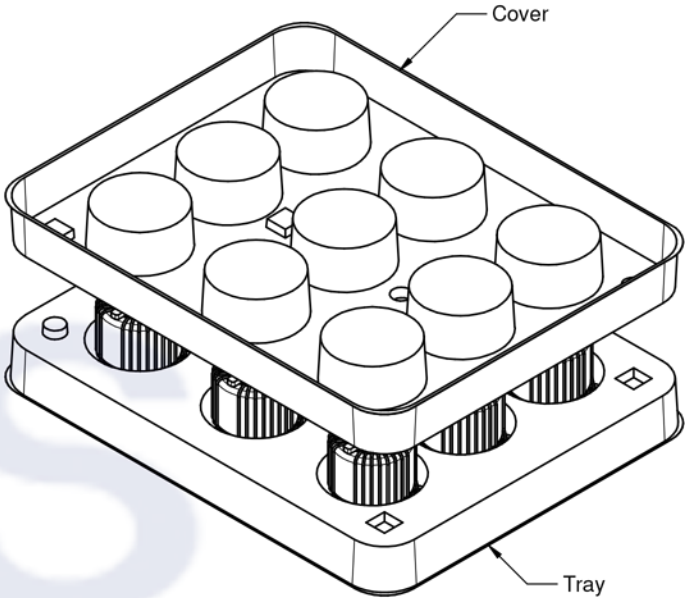
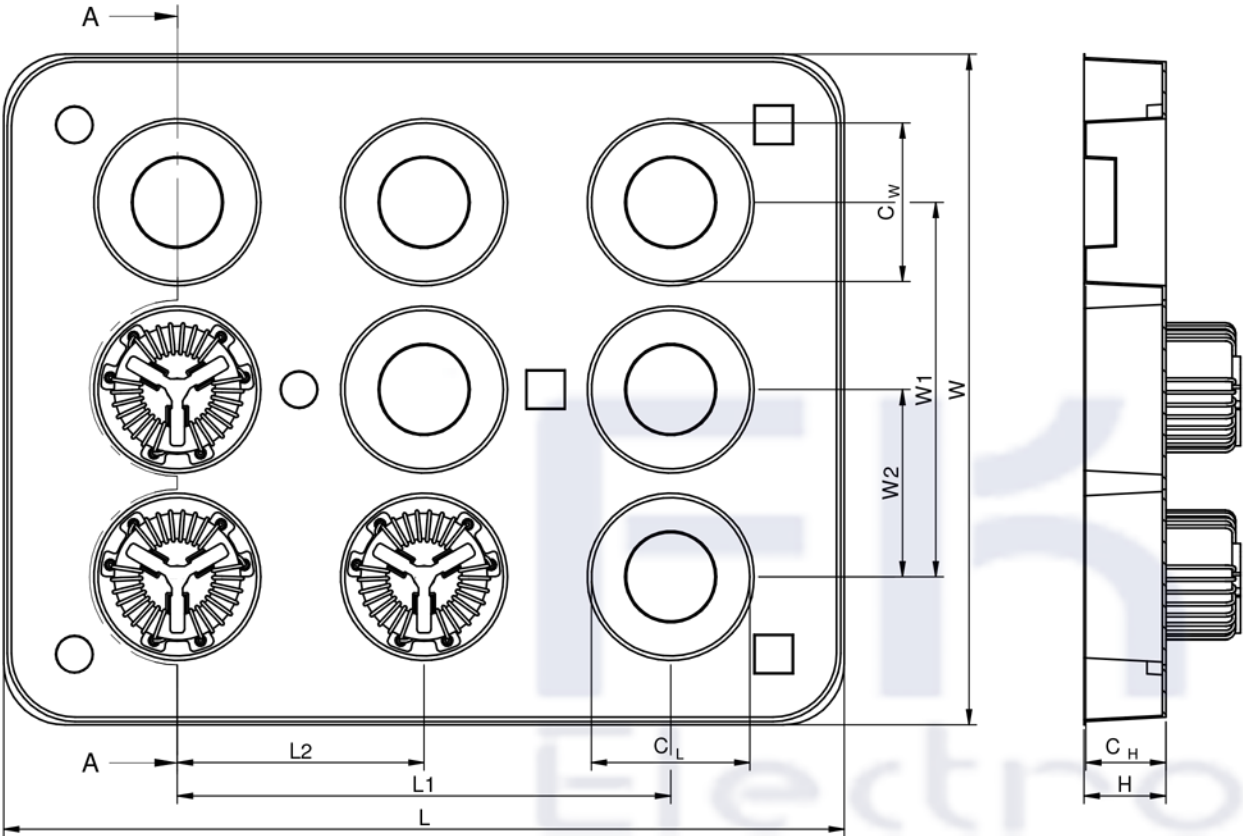


Typical Insertion Loss:



 RoHS COMPLIANT  REACH COMPLIANT  HALOGEN FREE			DATE (YYYY-MM-DD) 2019-04-08		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					
			Three Phase Common Mode Power Line Choke				ORDER CODE FKS744833052100	
			SIZE/TYPE 3XL				STATUS Valid	

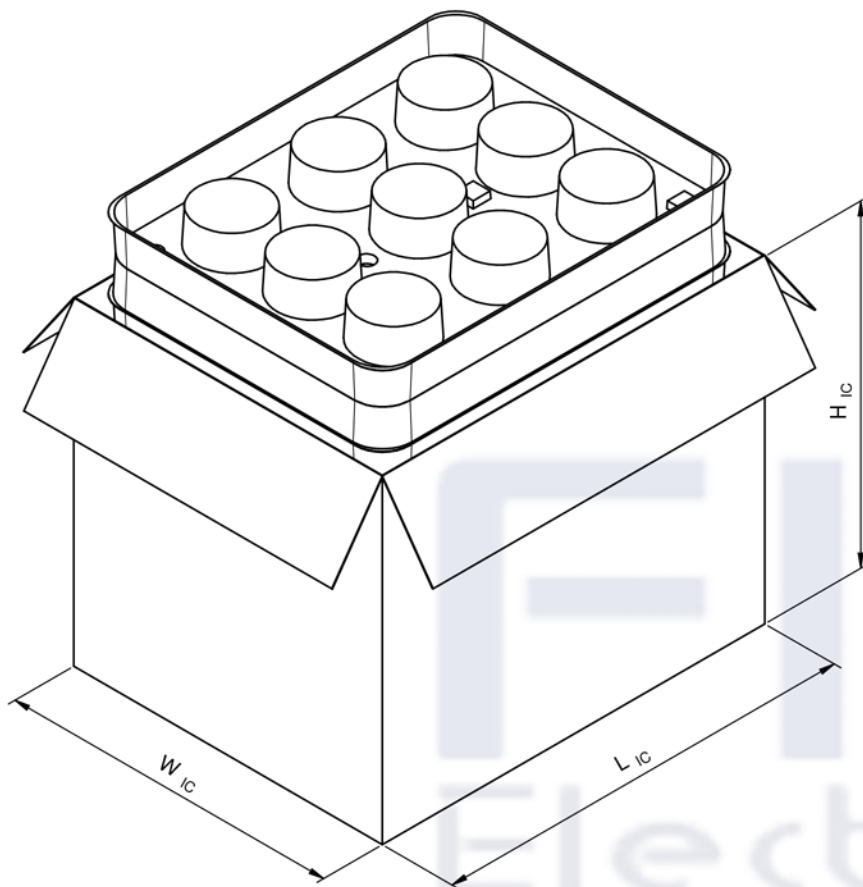
Packaging Specification - Tray and Carton: [mm]



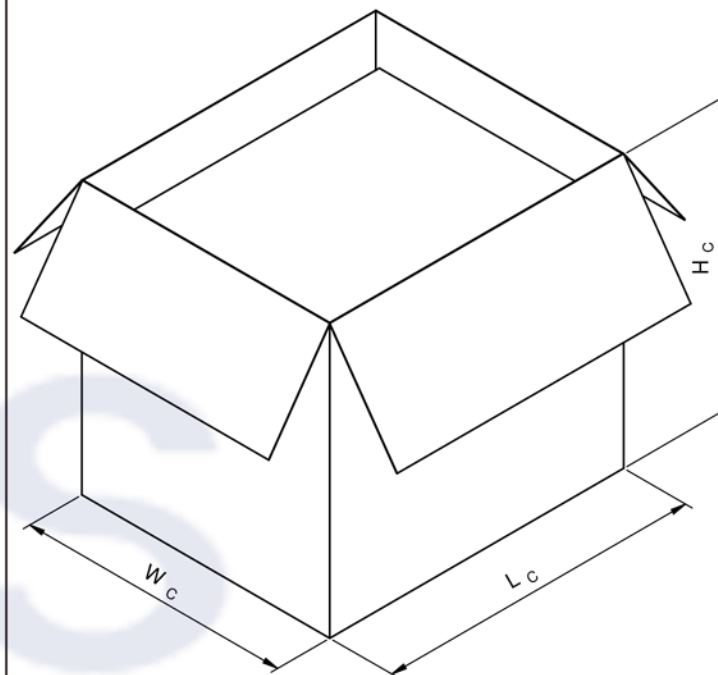
L (mm)	L1 (mm)	L2 (mm)	C1 (mm)	W (mm)	W1 (mm)	W2 (mm)	Cw (mm)	H (mm)	Ch (mm)	Qty. (pcs.)	Material
typ.	typ.	typ.	typ.	typ.	typ.	typ.	typ.	typ.	typ.		
245,00	145,00	72,50	46,50	195,00	110,00	55,00	46,50	24,00	23,50	9	PET

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L _{IC} (mm)	W _{IC} (mm)	H _{IC} (mm)	No. of Tray	Packaging Unit	Material
typ.	typ.	typ.	pcs.	pcs.	
260	210	217	4	36	Paper



L _C (mm)	W _C (mm)	H _C (mm)	No. of Inner Carton	Packaging Unit	Material
typ.	typ.	typ.	pcs.	pcs.	
275	232	255	1	36	Paper



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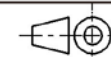


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DATE (YYYY-MM-DD)
2019-04-08

GENERAL TOLERANCE
DIN ISO 2768-1m

PROJECTION
METHOD



DESCRIPTION

**Three Phase Common
Mode Power Line Choke**

ORDER CODE

FKS744833052100

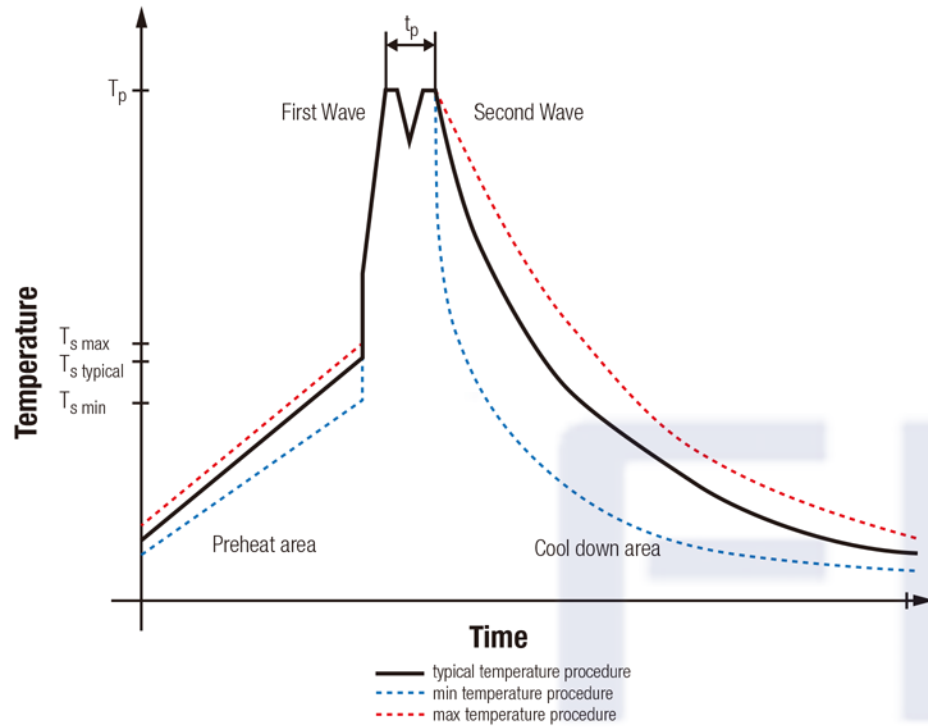
SIZE/TYPE

3XL

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
**Three Phase Common
Mode Power Line Choke**

ORDER CODE
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SIZE/TYPE
3XL

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