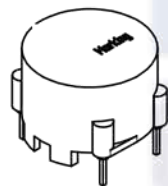
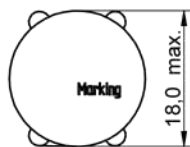
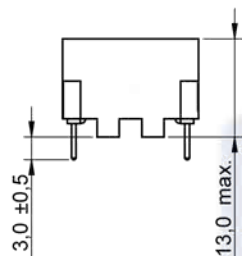
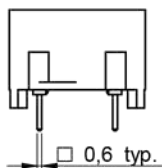
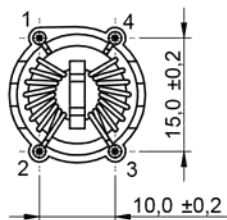
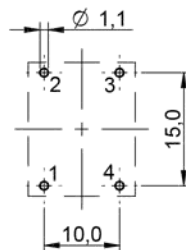


### Dimensions: [mm]



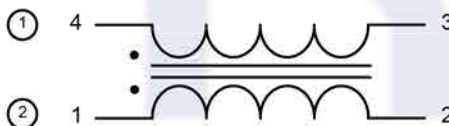
Scale - 1:1

### Recommended Hole Pattern: [mm]



Scale - 1:1

### Schematic:



### Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Number of windings			2		
Inductance	10 kHz/ 50 mV	L	2.2	mH	±30%
Rated Current	@ 70 °C	I <sub>R</sub>	2	A	max.
DC Resistance	@ 20 °C	R <sub>DC</sub>	0.1	Ω	max.
Rated Voltage	50 Hz	U <sub>R</sub>	250	V (AC)	max.
Insulation Test Voltage	50 Hz	U <sub>T</sub>	1500	V (AC)	

### General Information:

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	

### Product Marking:

Marking	7446622002 - 2.2mH/ 2.0A
Marking - Date Code	WWYY

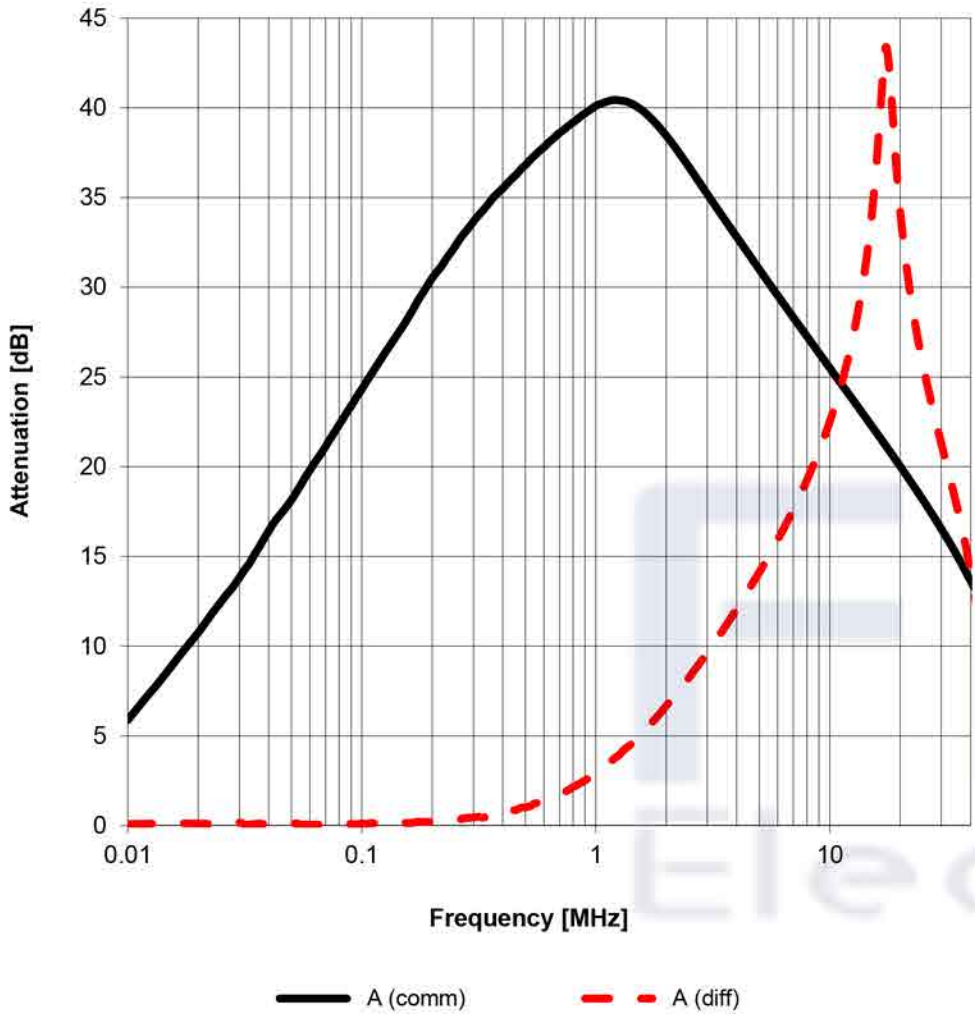
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.  
 FKS(Xi'an) Electronic Technology Co.,Ltd.  
 Address: B1 Building,Western Cloud Valley,Fengxi New Town,  
 Xixian New Area,Xi'an City, Shaanxi Province,China.  
 Tel: +86-29-8868 5333  
 Fax: +86-29-8868 0913

**FKS**  
Electronics

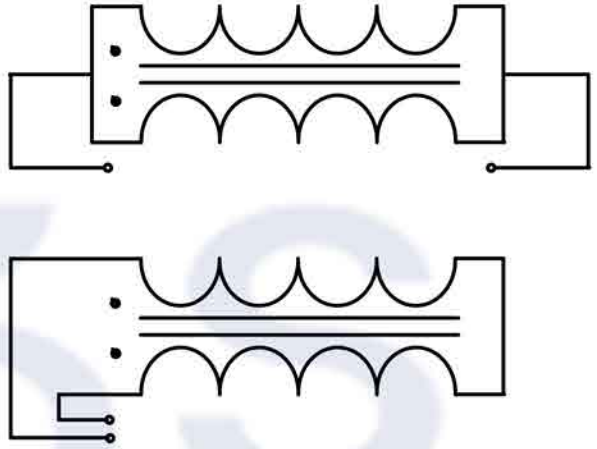


GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 	
DESCRIPTION <b>Common Mode Power Line Choke</b>			
ORDER CODE FKS7446622002			
SIZE SH	REVISION 006.000	STATUS Valid	

**Typical Insertion Loss:**



**Test Setup:**

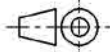


Common Mode

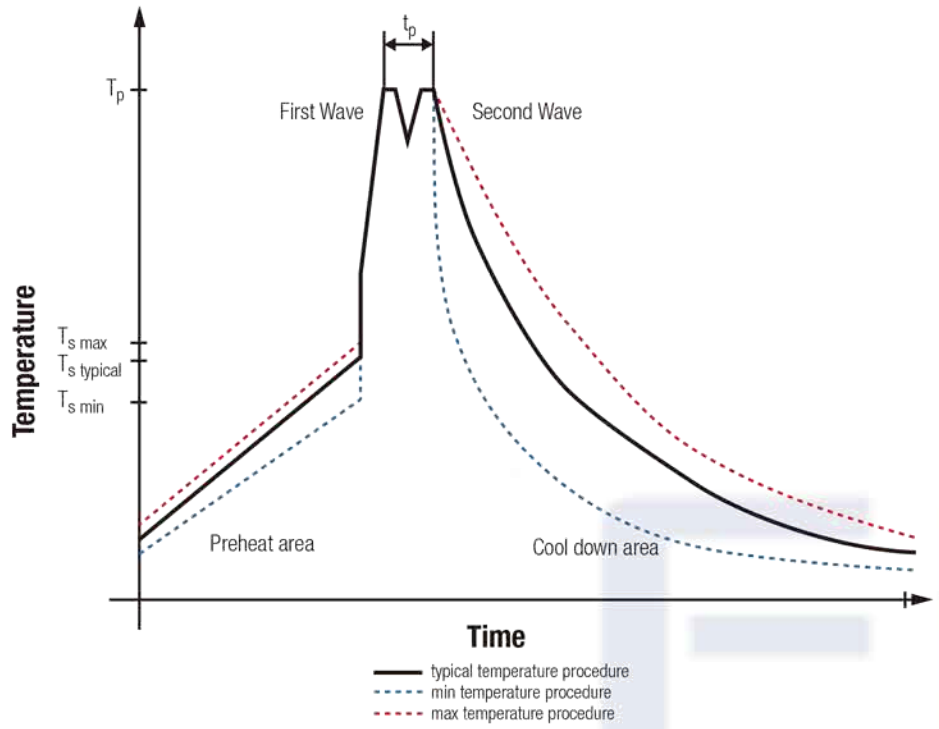
Differential Mode

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		GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
DESCRIPTION <b>Common Mode Power Line Choke</b>			ORDER CODE FKS7446622002
SIZE SH	REVISION 006.000	STATUS Valid	


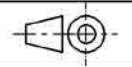
**Classification Wave Soldering Profile:**



**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	$\Delta T$	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 <b>Common Mode Power Line Choke</b>		ORDER CODE FKS7446622002
	SIZE SH	REVISION 006.000	STATUS Valid