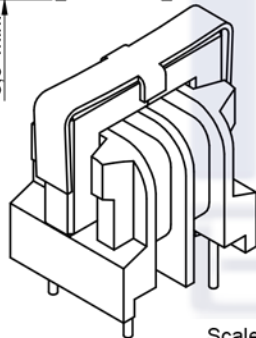
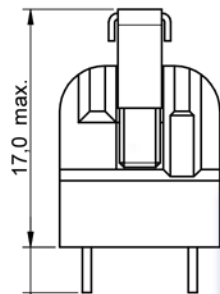
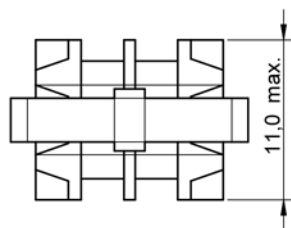
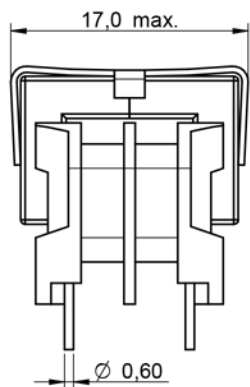
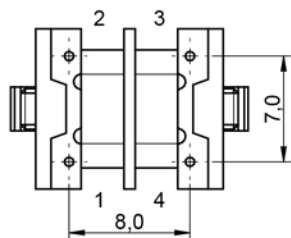
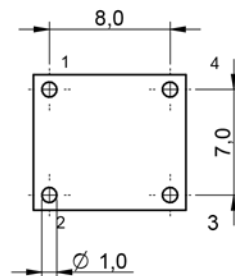


## Dimensions: [mm]



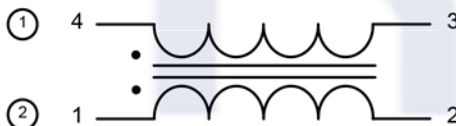
Scale - 2:1

## Recommended Hole Pattern: [mm]



Scale - 2:1

## Schematic:



## Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance	10 kHz/ 100 mV	L	2x10	mH	+50/-30
Rated Current	@ 70 °C	I <sub>R</sub>	0.45	A	max.
DC Resistance	@ 20 °C	R <sub>DC</sub>	2x1.65	Ω	max.
Rated Voltage	50 Hz	U <sub>R</sub>	400	V (AC)	max.
Insulation Test Voltage	50 Hz/ 5 mA/ 2 sec.	U <sub>T</sub>	3000	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

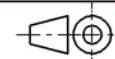
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.  
 FKS(Xi'an) Electronic Technology Co.,Ltd.  
 Address: B1 Building,Western Cloud Valley,Fengxi New Town,  
 Xixian New Area,Xi'an City, Shaanxi Province,China.  
 Tel: +86-29-8868 5333  
 Fax: +86-29-8868 0913

**FKS**  
Electronics



GENERAL TOLERANCE  
DIN ISO 2768-1m

PROJECTION  
METHOD



DESCRIPTION

**Common Mode Power  
Line Choke**

ORDER CODE

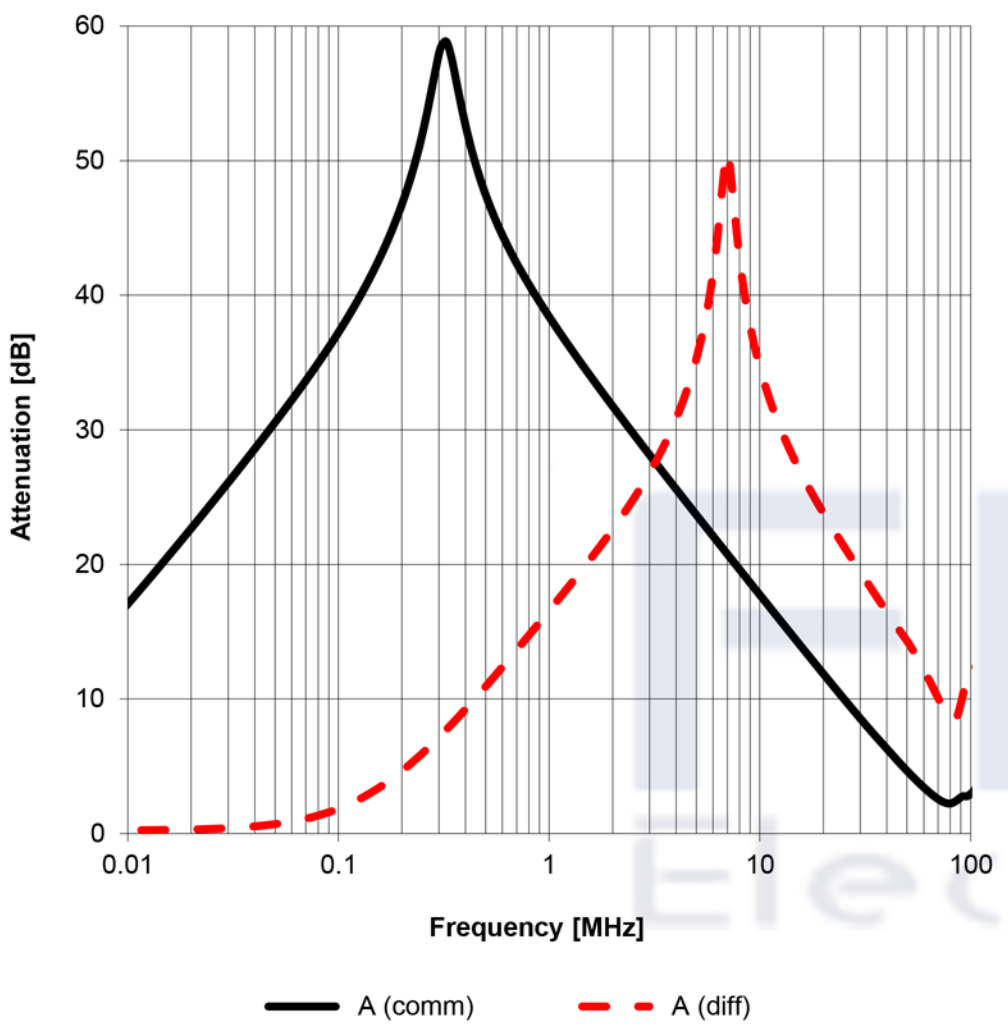
FKS744862100

SIZE  
UT

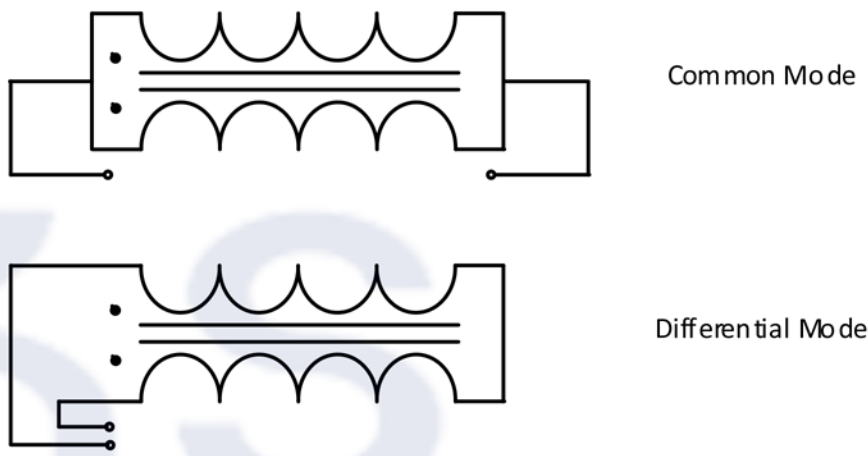
REVISION  
002.000

STATUS  
Valid

**Typical Insertion Loss Characteristics:**



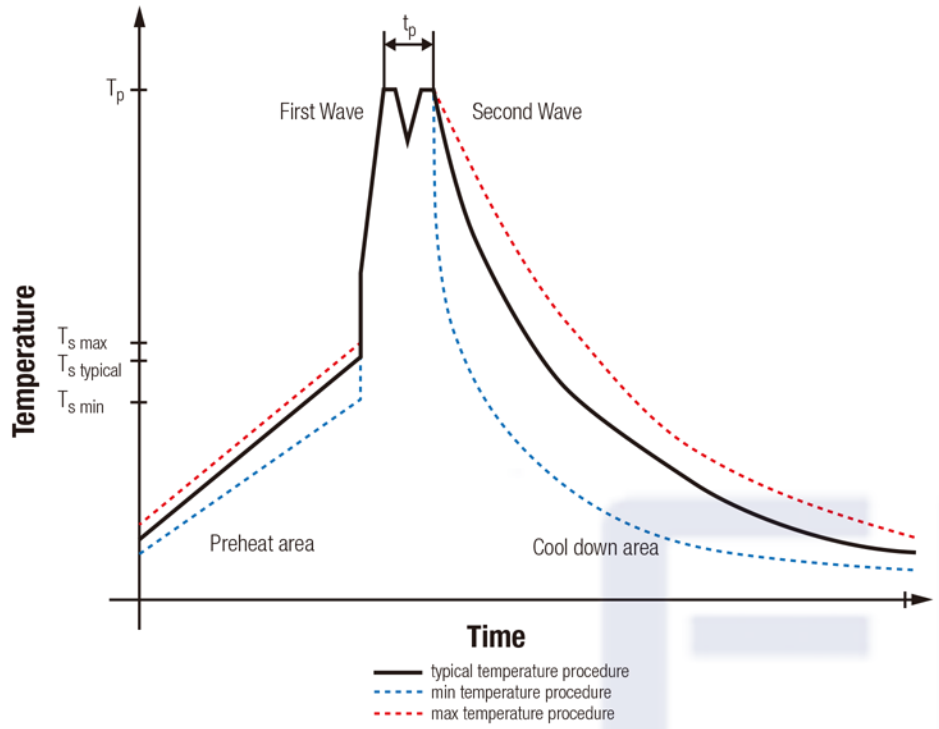
**Test Setup:**



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 <b>Common Mode Power Line Choke</b>		ORDER CODE FKS744862100	
SIZE UT	REVISION 002.000	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
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

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 <h3 style="text-align: center;">Common Mode Power Line Choke</h3>	
		ORDER CODE FKS744862100	
SIZE UT	REVISION 002.000	STATUS Valid	