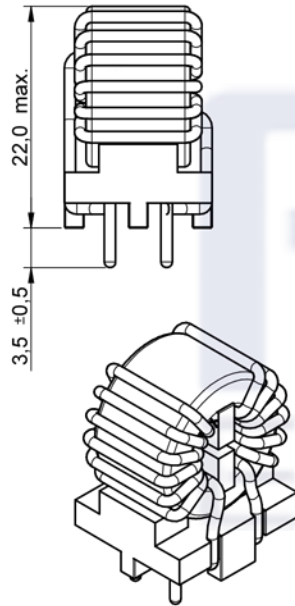
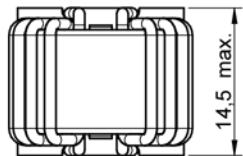
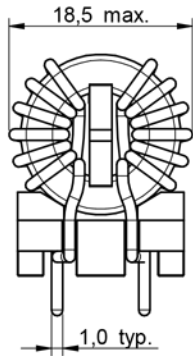
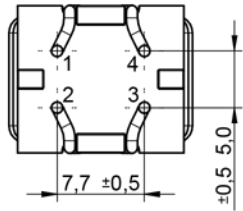
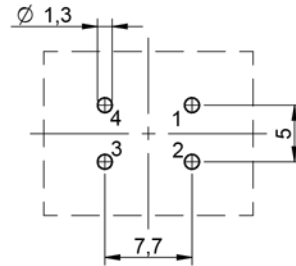


**Dimensions: [mm]**



**Recommended Hole Pattern: [mm]**



Scale - 1:1,5

**Schematic:**



**Electrical Properties:**

Properties	Test conditions		Value	Unit	Tol.
Inductance	100 kHz/ 0.1 mA	L	2x110	µH	±30%
Rated Current	@ 70 °C	I <sub>R</sub>	3	A	max.
DC Resistance	@ 20 °C	R <sub>DC</sub>	2x31	mΩ	±10%
Rated Voltage	50 Hz	U <sub>R</sub>	250	V (AC)	max.
Insulation Test Voltage	50 Hz/ 5 mA/ 2 sec.	U <sub>T</sub>	1500	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	

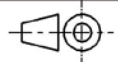
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.  
 FKS(Xi'an) Electronic Technology Co.,Ltd.  
 Address: B1 Building,Western Cloud Valley,Fengxi New Town,  
 Xixian New Area,Xi'an City, Shaanxi Province,China.  
 Tel: +86-29-8868 5333  
 Fax: +86-29-8868 0913

**FKS**  
Electronics



GENERAL TOLERANCE  
DIN ISO 2768-1m

PROJECTION  
METHOD



DESCRIPTION

**NiZn Common Mode  
Power Line Choke**

ORDER CODE

FKS744842311

SIZE

S

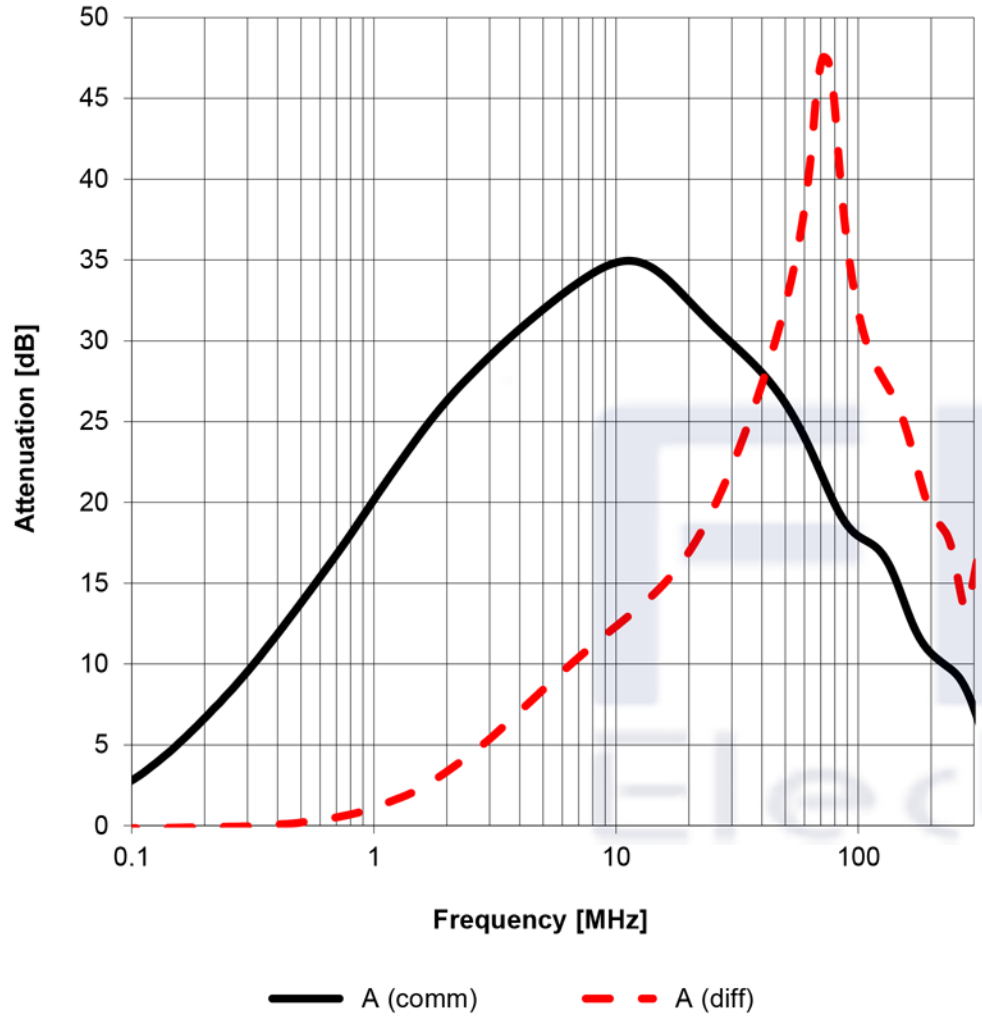
REVISION

002.007

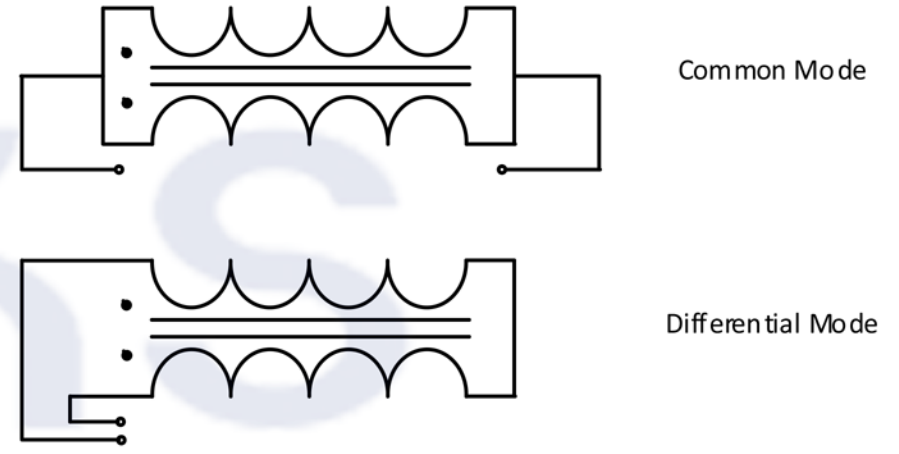
STATUS

Valid

**Typical Insertion Loss:**



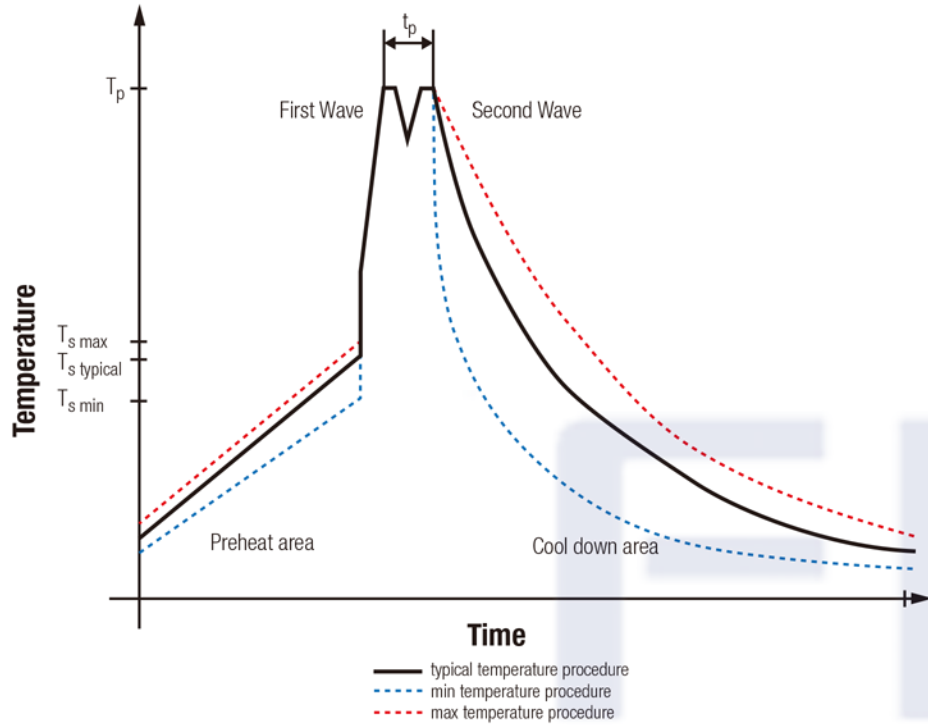
**Test Setup:**



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 <b>NiZn Common Mode                  Power Line Choke</b>		ORDER CODE FKS744842311			
SIZE S	REVISION 002.007	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	$T_{s\ typical}$	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	$\Delta T$	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

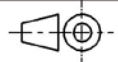
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**FKS**  
 Electronics



GENERAL TOLERANCE  
 DIN ISO 2768-1m

PROJECTION  
 METHOD



DESCRIPTION  
**NiZn Common Mode  
 Power Line Choke**

ORDER CODE

FKS744842311

SIZE  
 S

REVISION  
 002.007

STATUS  
 Valid