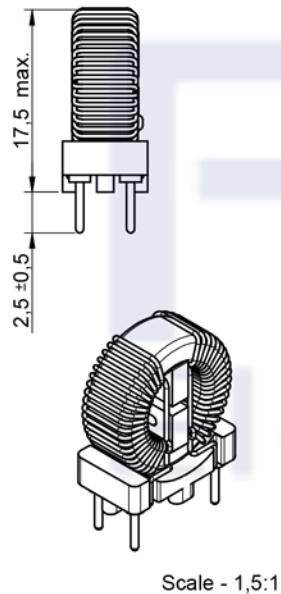
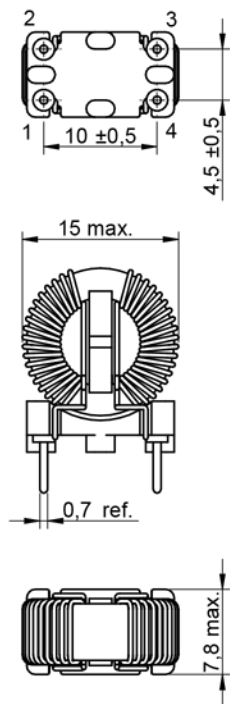
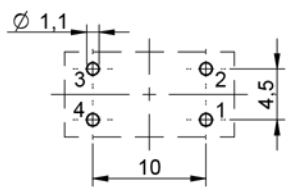


Dimensions: [mm]



Recommended Hole Pattern: [mm]



Scale - 1.5:1

Schematic:



Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
FKS(Xi'an) Electronic Technology Co.,Ltd.
Adress: 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



Electrical Properties:

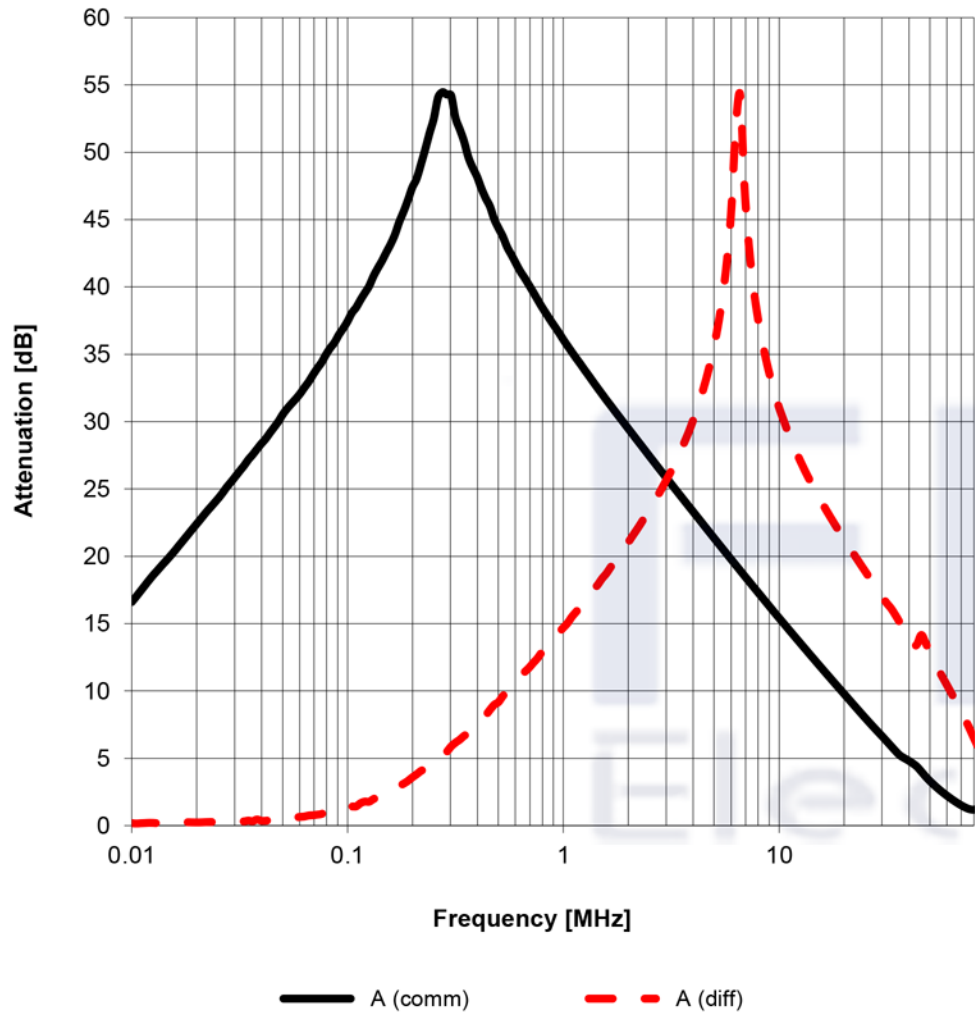
Properties	Test conditions		Value	Unit	Tol.
Inductance	10 kHz/ 0.1 mA	L	2x20	mH	±30%
Rated Current	@ 70 °C	I _R	0.5	A	max.
DC Resistance	@ 20 °C	R _{DC}	2x1000	mΩ	max.
Rated Voltage	50 Hz	U _R	250	V (AC)	max.
Insulation Test Voltage	50 Hz/ 5 mA/ 2 sec.	U _T	1500	V (AC)	

General Properties:

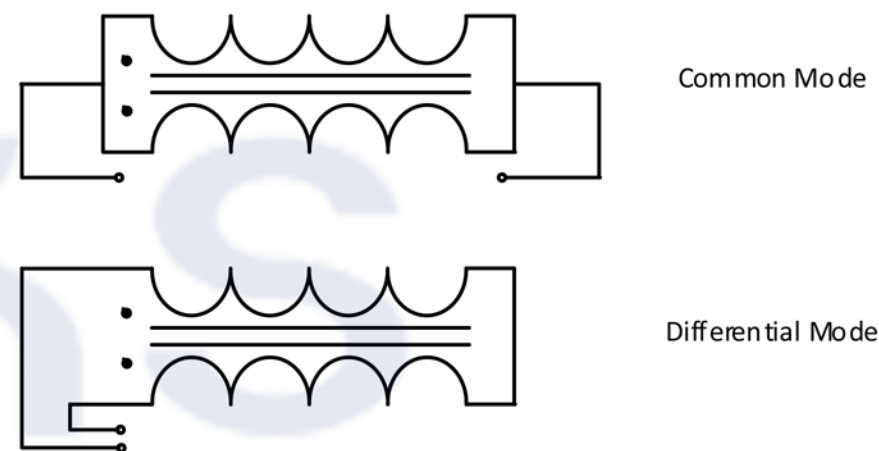
It is recommended that the temperature of the component does not exceed +125°C under worst case conditions	
Storage Temperature (in original packaging)	-20 °C up to +60 °C
Operating Temperature	-40 °C up to +125 °C
Temperature Rise < 55K	
Test conditions of Electrical Properties: +20°C, 33% RH if not specified differently	

GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 	
DESCRIPTION Common Mode Power Line Choke			
		ORDER CODE FKS744821120	
SIZE XS	REVISION 003.004	STATUS Valid	D 2

Typical Insertion Loss:



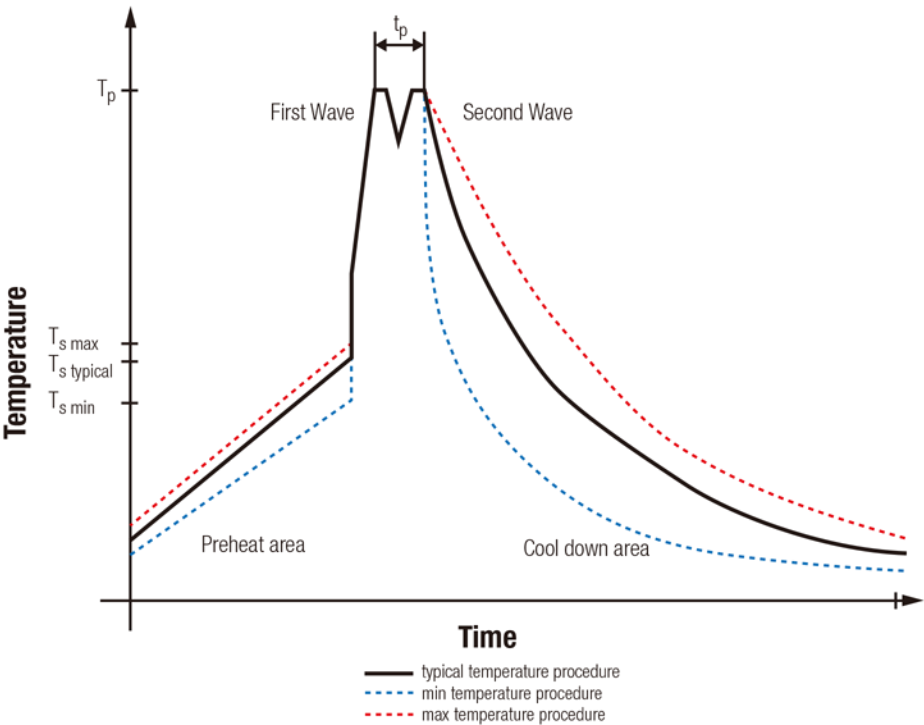
Test Setup:



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 1 Common Mode Power Line Choke		ORDER CODE FKS744821120		
			SIZE XS	REVISION 003.004	STATUS Valid		

This electronic component has been designed and developed for use in general electronic equipment only. This product is not authorized for use in equipment where a higher safety, standard and reliability standard is essential, except as when a notice of this product is reasonably expected to cause severe personal injury or death, unless the notice has been accepted an agreement specifically according with use. Manufacturer: Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.

Classification Wave Soldering Profile:

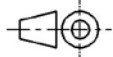


Classification Wave Soldering Profile:

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

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Electronics

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 		DESCRIPTION Common Mode Power Line Choke				ORDER CODE FKS744821120			
SIZE XS		REVISION 003.004		STATUS Valid					