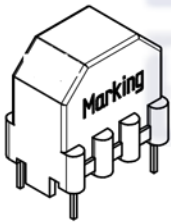
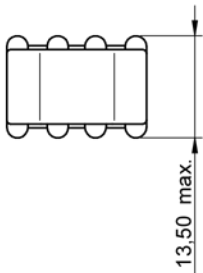
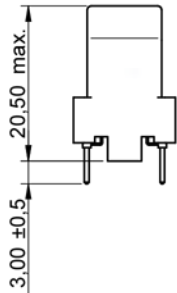
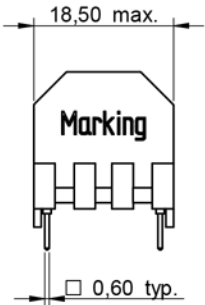
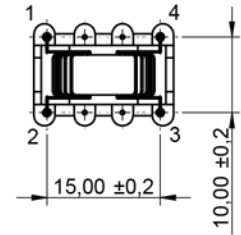
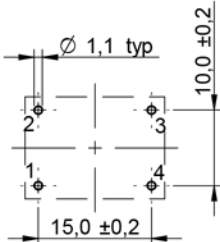


Dimensions: [mm]



Scale - 1:1

Recommended Hole Pattern: [mm]



Scale - 1:1

Schematic:



Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance	10 kHz/ 50 mV	L	2x18	mH	±30%
Rated Current	@ 70 °C	I _R	0.5	A	max.
DC Resistance	@ 20 °C	R _{DC}	2x0.75	Ω	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 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	7446121018 - 18mH/ 0.5A
Marking - Date Code	WWYY

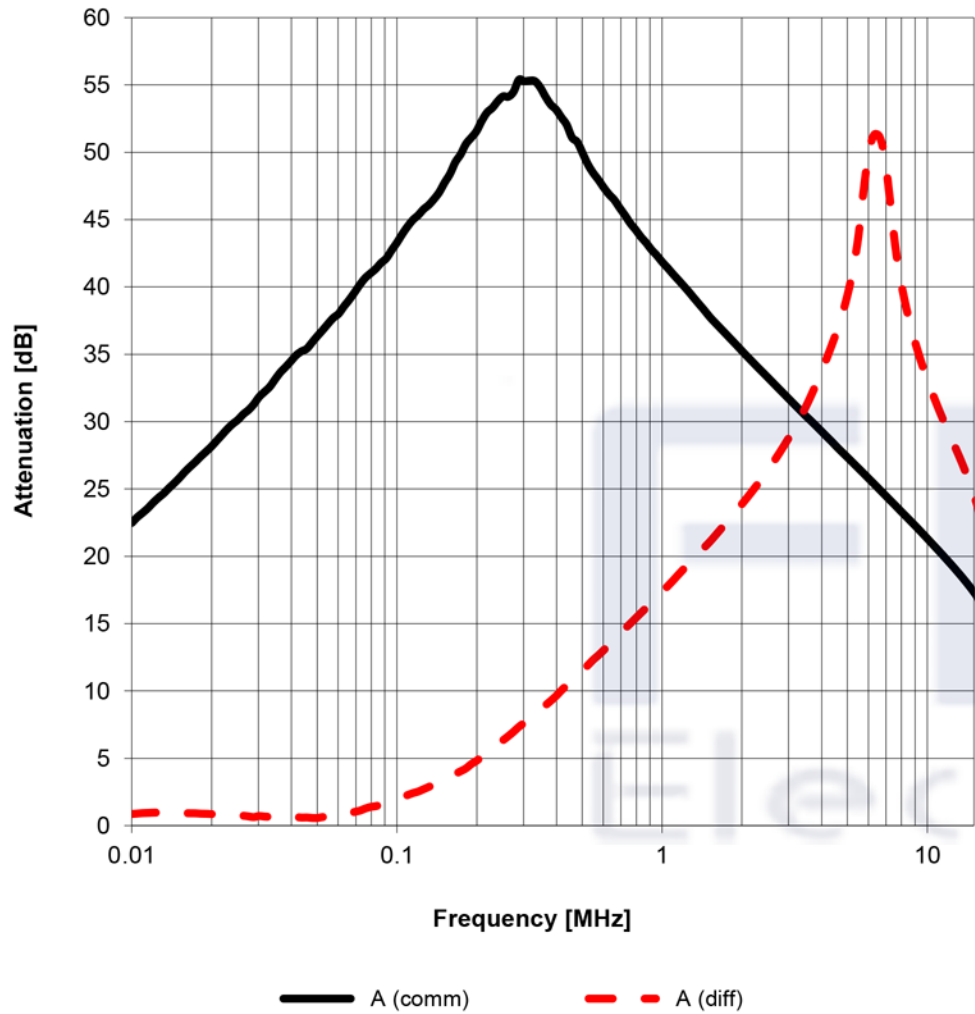
Shaanxi FKS Electronic-Parts Import&Export Co.,Ltd.
FKS(Xi'an) Electronic Technology Co.,Ltd.
Address: B1 Building,Western Cloud Valley,Fengxi New Town,
Xixian New Area,Xi'an City, Shaanxi Province,China.
Tel: +86-29-8868 5333
Fax: +86-29-8868 0913

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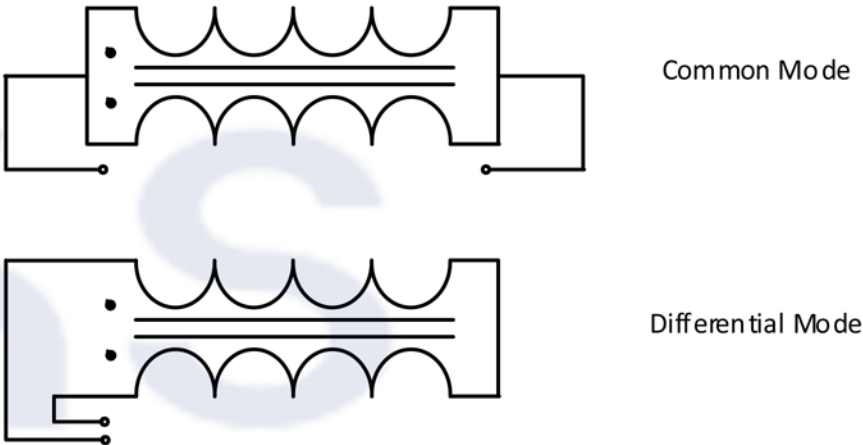


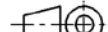
DESCRIPTION		GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 	
Common Mode Power Line Choke		ORDER CODE FKS7446121018			
SIZE SV	REVISION 004.004	STATUS Valid			

Typical Insertion Loss:

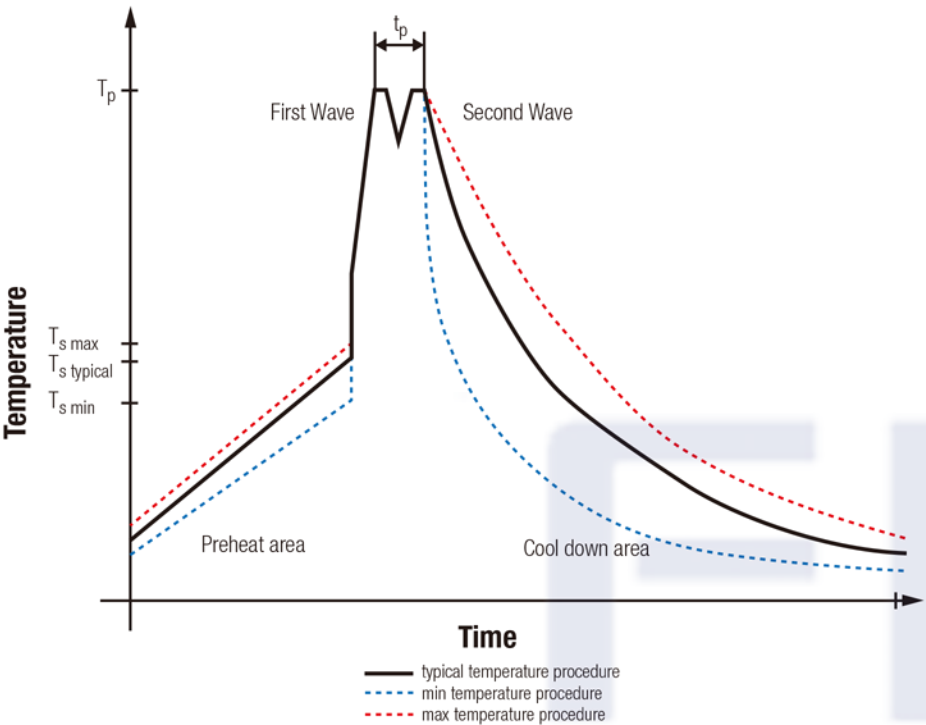


Test Setup:



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			GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD		
 			DESCRIPTION Common Mode Power Line Choke			ORDER CODE FKS7446121018	
SIZE SV		REVISION 004.004	STATUS Valid				

Classification Wave Soldering Profile:



Classification Wave Soldering Profile:

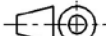
Profile Feature		Pb-Free Assembly	Sn-Pb Assembly
Preheat Temperature Min	$T_{s \min}$	100 °C	100 °C
Preheat Temperature Typical	$T_{s \text{ typical}}$	120 °C	120 °C
Preheat Temperature Max	$T_{s \max}$	130 °C	130 °C
Preheat Time t_s from $T_{s \min}$ to $T_{s \max}$	t_s	70 seconds	70 seconds
Ramp-up 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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		GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD 			
DESCRIPTION Common Mode Power Line Choke							
				ORDER CODE FKS7446121018			
SIZE SV		REVISION 004.004		STATUS Valid			