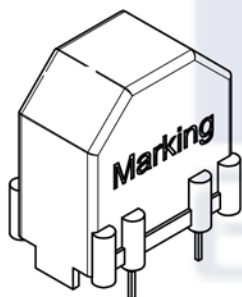
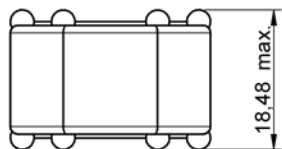
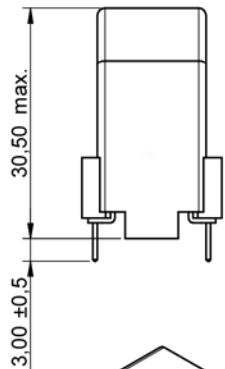
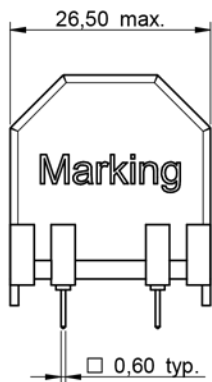
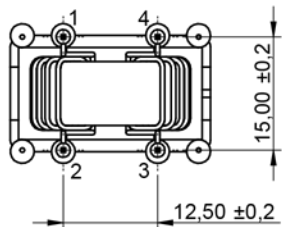
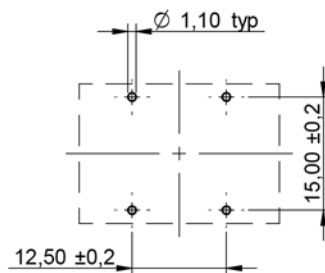


Dimensions: [mm]



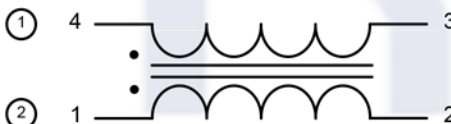
Scale - 1:1

Recommended Hole Pattern: [mm]



Scale - 1:1

Schematic:



Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance	10 kHz/ 50 mV	L	2x50	mH	±30%
Rated Current	@ 70 °C	I _R	0,6	A	max.
DC Resistance	@ 20 °C	R _{DC}	2x1,2	Ω	max.
Rated Voltage	50 Hz	U _R	250	V (AC)	max.
Insulation Test Voltage	50 Hz	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	7446321050 - 50mH/ 0.6A
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

**Common Mode Power Line
Choke**

ORDER CODE

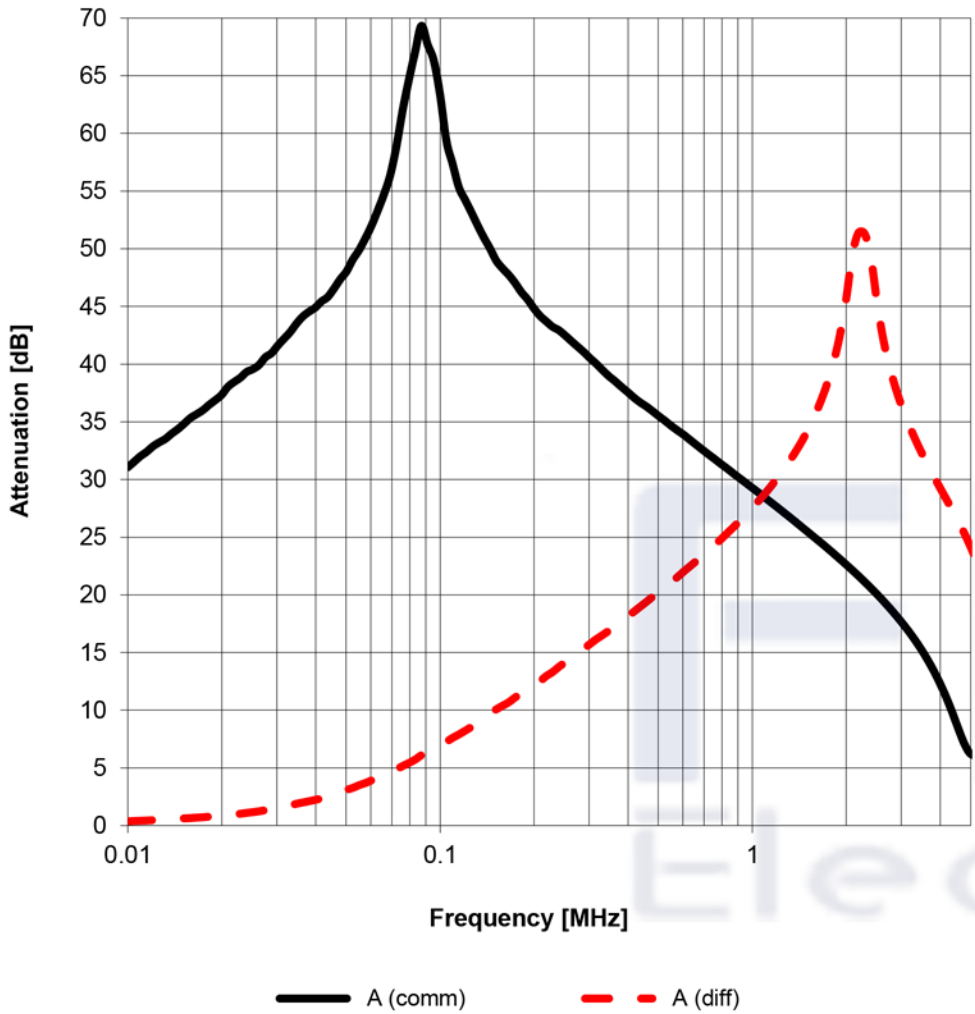
FKS7446321050

SIZE
LV

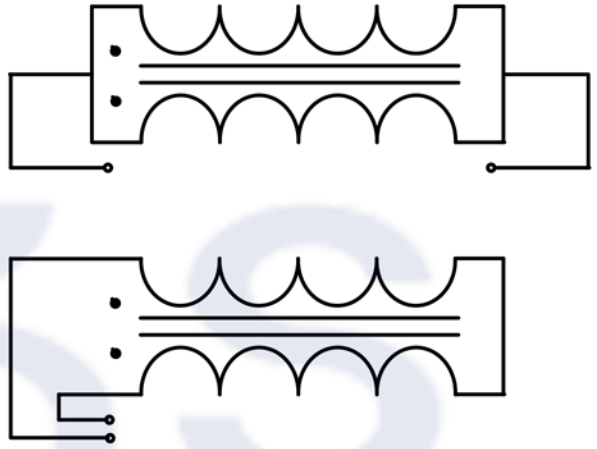
REVISION
006.004

STATUS
Valid

Typical Insertion Loss:



Test Setup:

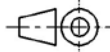


Common Mode

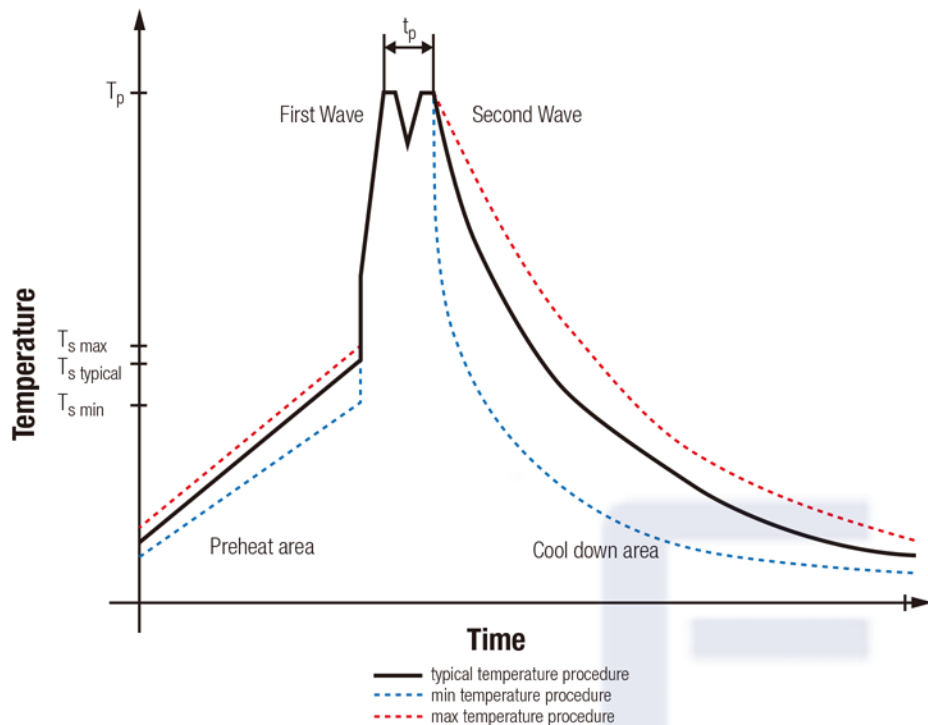
Differential Mode

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 Address: B1 Building,Western Cloud Valley,Fengxi New Town,
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		GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
DESCRIPTION Common Mode Power Line Choke			ORDER CODE FKS7446321050
SIZE LV	REVISION 006.004	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	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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FKS
Electronics



GENERAL TOLERANCE
DIN ISO 2768-1m

PROJECTION
METHOD



DESCRIPTION

**Common Mode Power Line
Choke**

ORDER CODE

FKS7446321050

SIZE
LV

REVISION
006.004

STATUS
Valid