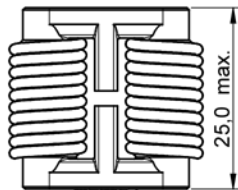
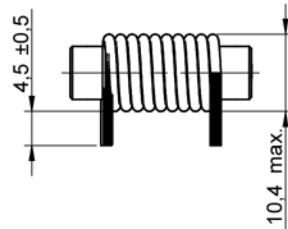
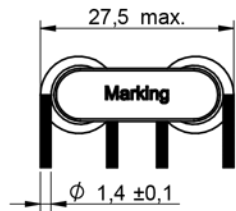
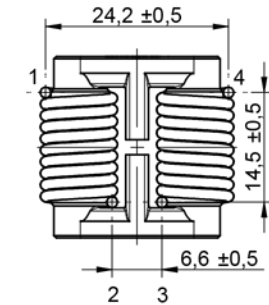


Dimensions: [mm]

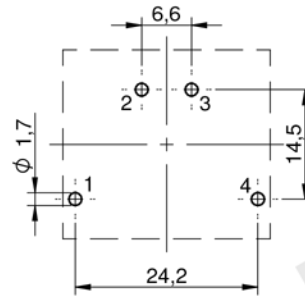


Scale - 1:1

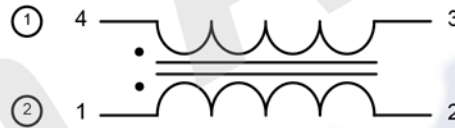
Product Marking:

Marking	7448680140
Marking - Date Code	YYWW

Recommended Land Pattern: [mm]



Scale - 1:1



Electrical Properties:

Properties		Test conditions	Value	Unit	Tol.
Number of windings	N		2		
Inductance	L	10 kHz/ 100 mV	230	μH	±40%
Leakage Inductance	L _S	10 kHz/ 100 mV	8.7	μH	typ.
Rated Current	I _R	@ 60 °C	16	A	max.
DC Resistance	R _{DC}	@ 20 °C	3.6	mΩ	max.
Rated Voltage	V _R	50 Hz	250	V (AC)	max.
Insulation Test Voltage	V _T	50 Hz/ 5 mA/ 2 sec.	1500	V (AC)	

Certification:

RoHS Approval	Compliant [2011/65/EU&2015/863]
REACH Approval	Conform or declared [(EC)1907/2006]
Halogen Free	Conform [JEDEC JS709B]
Halogen Free	Conform [IEC 61249-2-21]

General Information:

It is recommended that the temperature of the component does not exceed +115°C under worst case conditions	
Ambient Temperature (referring to I _R)	-40 up to +60 °C
Operating Temperature	-40 up to +115 °C
Storage Conditions (in original packaging)	< 40 °C ; < 75 % RH
Moisture Sensitivity Level (MSL)	1
Test conditions of Electrical Properties: +20 °C, 33 % RH if not specified differently	



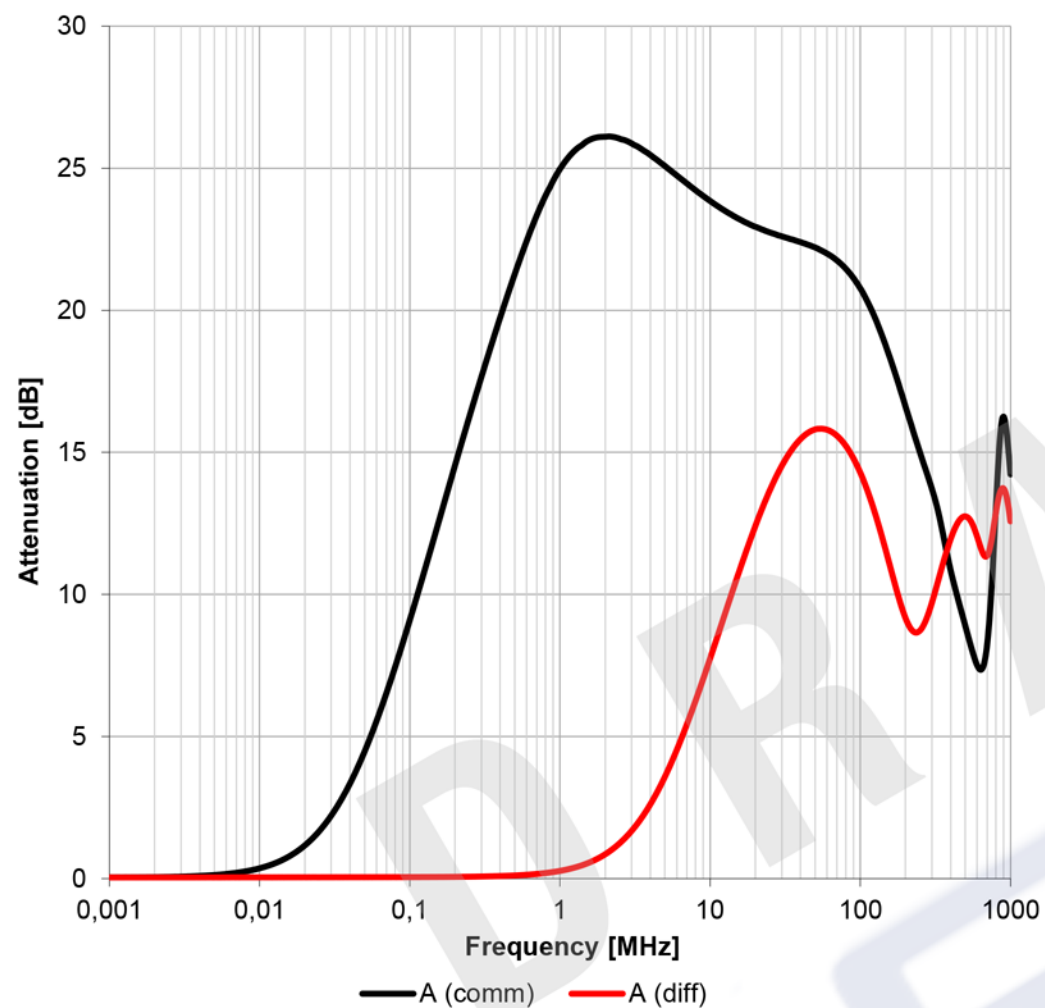
FKS
Electronics



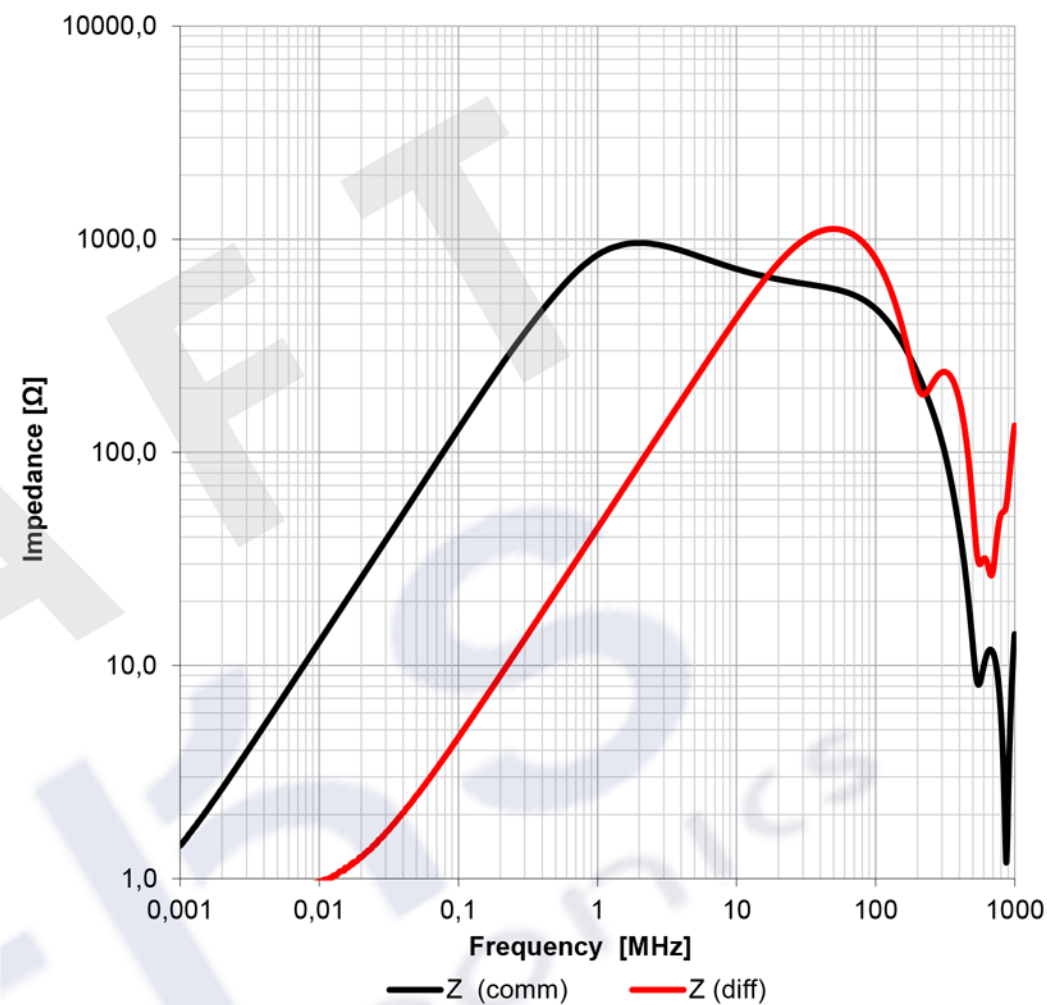
Shaanxi FKS Electronic Parts Import&Export Co.,Ltd.
Address:Building B1,The West Cloud Valley, Fengxi New City,
Xixian New Area,Xianyang City,Shaanxi Province,China.
Tel:0086 29 8868 5333 Fax:0086 29 8868 0913
[Http://www.fks-tech.com](http://www.fks-tech.com)

DATE (YYYY-MM-DD)	2019-12-20	GENERAL TOLERANCE	DIN ISO 2768-1m	PROJECTION METHOD	
DESCRIPTION				ORDER CODE	
Common Mode Power Line Choke				FKS7448680140	
				STATUS	
				Valid from 2019-12-20 due to PCN	

Typical Insertion Loss:



Typical Impedance Characteristics:



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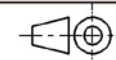


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DATE (YYYY-MM-DD)
2019-12-20

GENERAL TOLERANCE
DIN ISO 2768-1m

PROJECTION
METHOD



DESCRIPTION

**Common Mode Power
Line Choke**

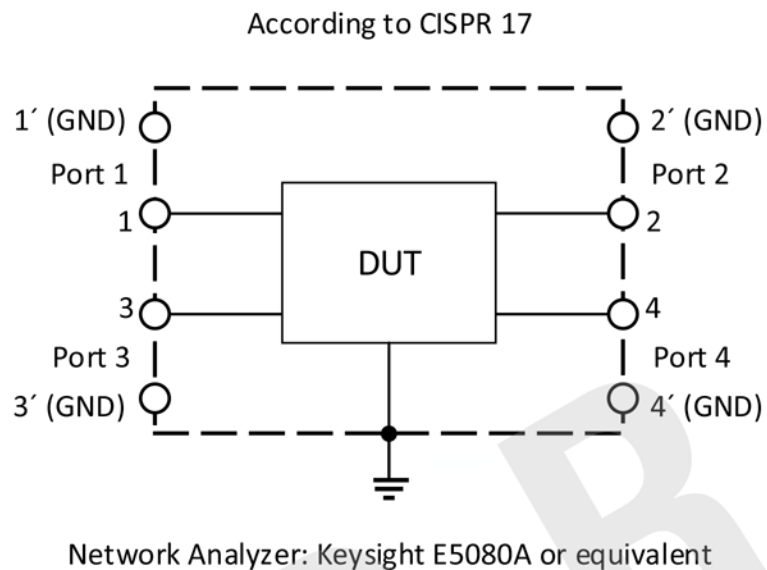
ORDER CODE

FKS7448680140

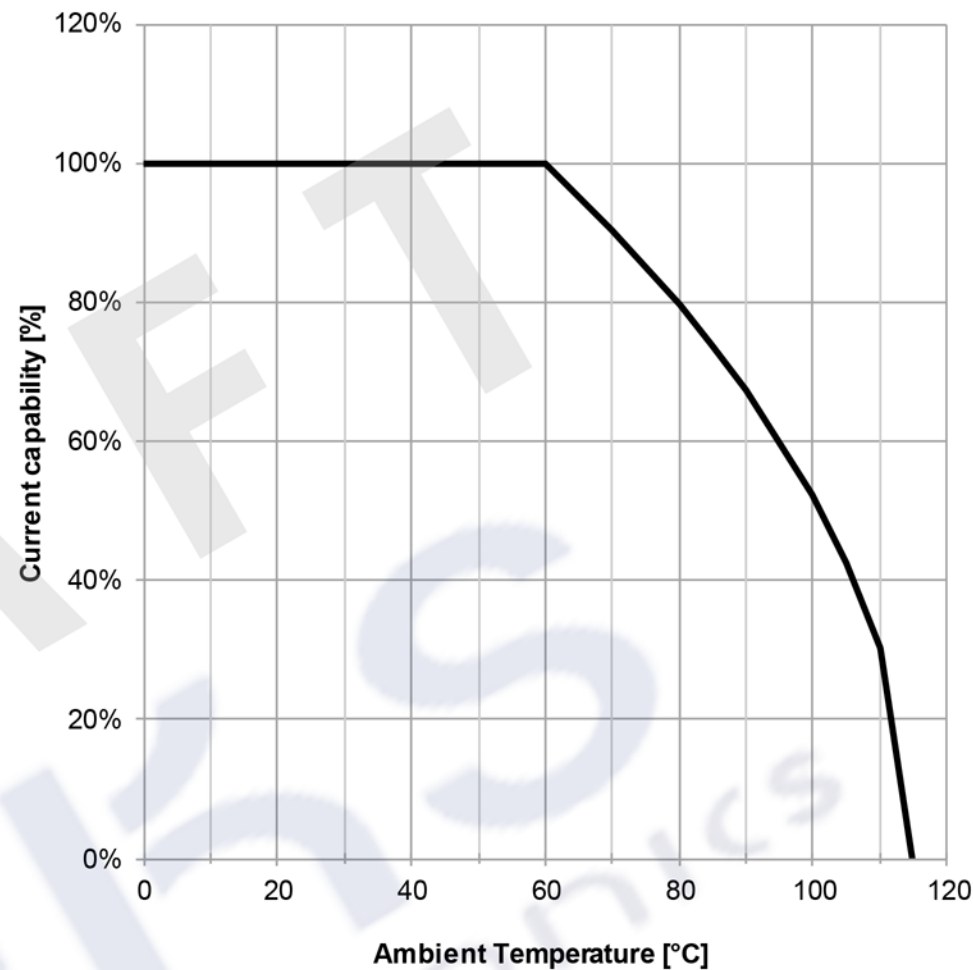
STATUS

Valid from 2019-12-20 due to PCN

Test Setup:

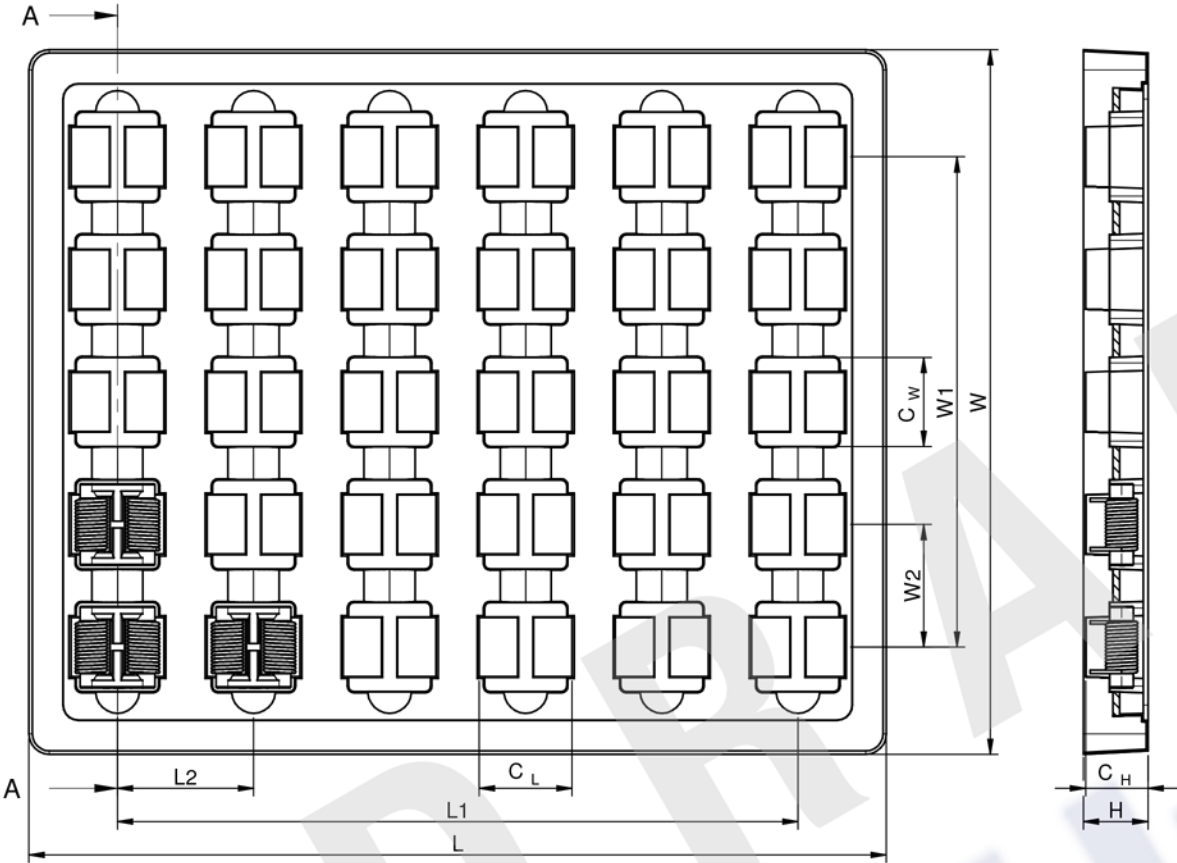


Derating Curve:

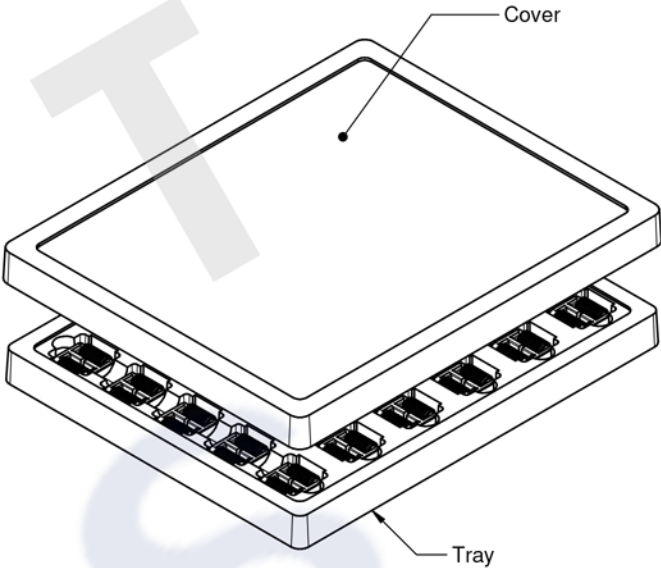


RoHS COMPLIANT REACH COMPLIANT HALOGEN FREE			DATE (YYYY-MM-DD) 2019-12-20	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD
FKS Electronics Shaanxi FKS Electronic Parts Import&Export Co.,Ltd. Address:Building B1,The West Cloud Valley, Fengxi New City, Xixian New Area,Xianyang City,Shaanxi Province,China. Tel:0086 29 8868 5333 Fax:0086 29 8868 0913 Http://www.fks-tech.com			DESCRIPTION Common Mode Power Line Choke		ORDER CODE FKS7448680140
					STATUS Valid from 2019-12-20 due to PCN

Packaging Specification - Tray: [mm]



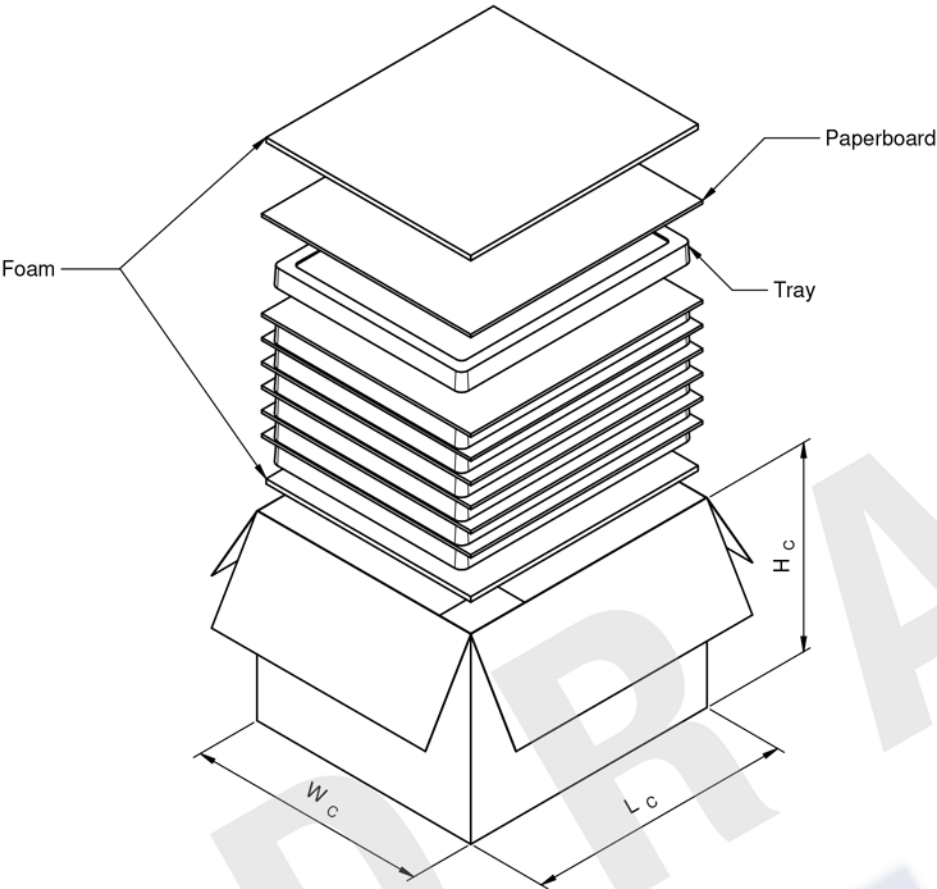
L (mm)	L1 (mm)	L2 (mm)	C _L (mm)	W (mm)	W1 (mm)	W2 (mm)	C _W (mm)	H (mm)	C _H (mm)	Qty. (pcs.)	Material
typ.	typ.	typ.	typ.	typ.	typ.	typ.	typ.	typ.	typ.		
255,00	200,00	40,00	28,50	210,00	144,00	36,00	25,00	19,00	18,35	30	PET



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		DATE (YYYY-MM-DD) 2019-12-20	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD
DESCRIPTION Common Mode Power Line Choke			ORDER CODE FKS7448680140	
			STATUS Valid from 2019-12-20 due to PCN	

Packaging Specification - Tray and Carton: [mm]



L_c (mm)	W_c (mm)	H_c (mm)	No. of Tray	No. of Paperboard	Packaging Unit	Material
typ.	typ.	typ.	pcs.	pcs.	pcs.	
260	235	200	7	7	210	Paper

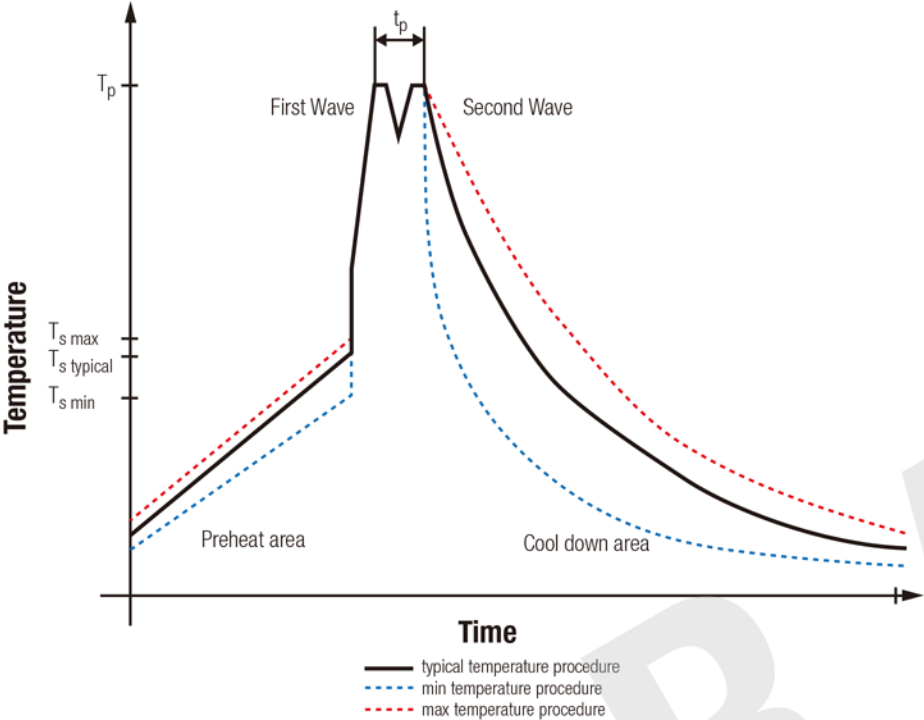




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DESCRIPTION Common Mode Power Line Choke			ORDER CODE FKS7448680140	
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Classification Wave Soldering Profile:



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

  		DATE (YYYY-MM-DD) 2019-12-20	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 
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