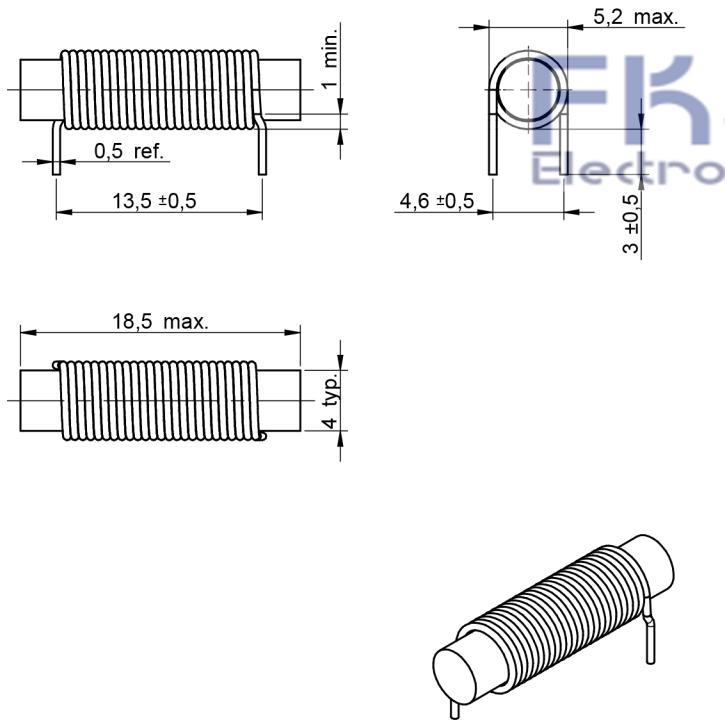


Dimensions: [mm]



Schematic:



Electrical Properties:

Properties	Test conditions		Value	Unit	Tol.
Inductance	10 kHz / 5 mA	L	10	μH	±25%
Rated Current	ΔT = 40 K	I _R	2,5	A	typ.
DC Resistance		R _{DC}	33	mΩ	±20%
Self Resonant Frequency		f _{res}	45	MHz	typ.

General Properties:

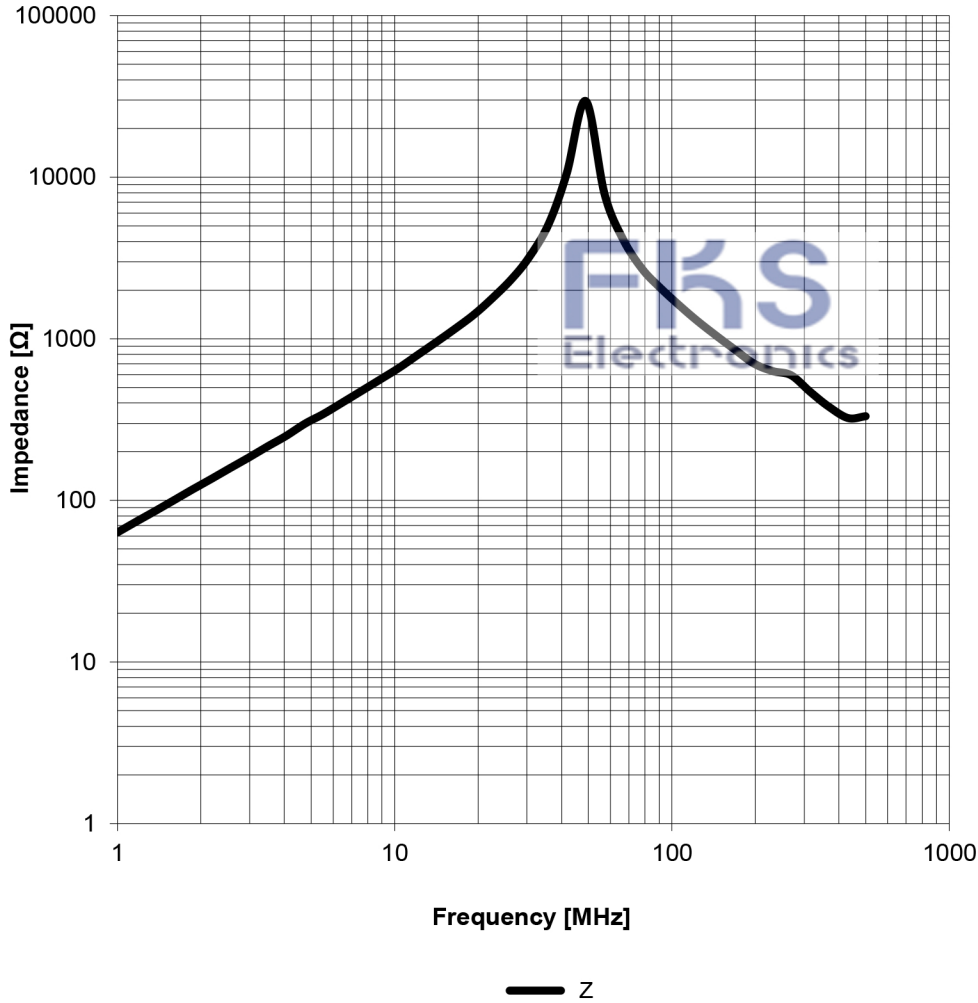
It is recommended that the temperature of the component does not exceed +150°C under worst case conditions	
Ambient Temperature (referring to I _R)	-40 °C up to +110 °C
Operating Temperature	-40 °C up to +150 °C
Storage Temperature (in original packaging)	-20°C up to +40°C, 75% RH max.
Test conditions of Electrical Properties: +20°C, 33% RH if not specified differently	

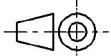
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FKS(Xi'an) Electronic Technology Co.,Ltd.
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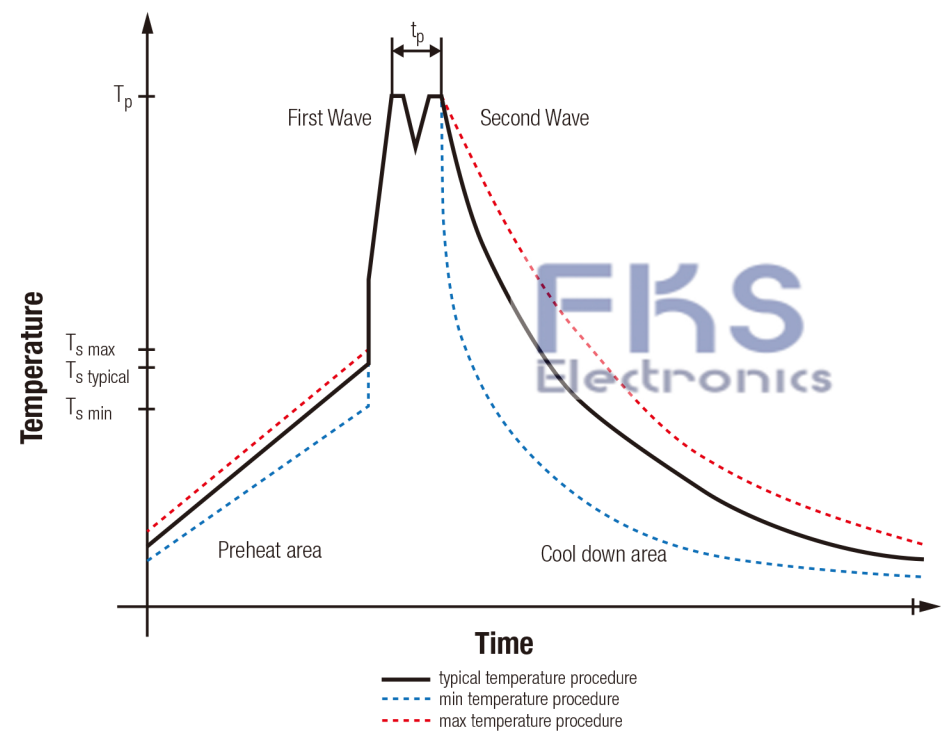
CREATED	CHECKED	GENERAL TOLERANCE DIN ISO 2768-1m	PROJECTION METHOD 	
DESCRIPTION Rod Core Choke			ORDER CODE FKS744711003	
REVISION	STATUS Valid	DATE (YYYY-MM-DD) 2015-11-10	BUSINESS UNIT	PAGE

Typical Impedance Characteristics:



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	DESCRIPTION Rod Core Choke						
						ORDER CODE FKS744711003	
		REVISION	STATUS Valid		DATE (YYYY-MM-DD) 2015-11-10	BUSINESS UNIT	PAGE

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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