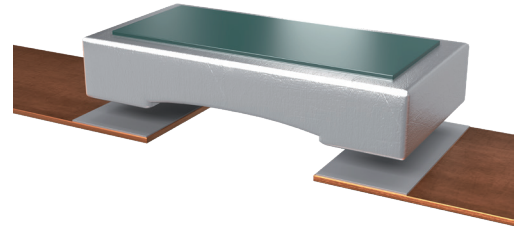




PRELIMINARY VERSION

FMH-K-R000 (0603)

ISA-PLAN® HIGH POWER JUMPER



FEATURES

- 0.135 W power rating at $T_K=125^\circ\text{C}$
- Constant current up to 26 A
- Standard pad size (0603)
- Mounting: Reflow-, and IR-soldering
- AEC-Q200 qualification in process
- Full copper construction and tinned terminals



APPLICATIONS

- Jumper
- Multiple usage of PCB layouts

Technical data

Resistance values	mOhm	<0.2
Temperature coefficient (20-60 °C)	ppm/K	3200 ± 500
Applicable temperature range	°C	-65 to +170
Power rating $P_{125^\circ\text{C}}$	W	0.135
Inductance	nH	<1
Current (continuous)	A	26

Ordering code

FMH - K - R000

- Resistance value [Ohm] / „R” represents decimal point
- Resistance material / K=copper
- Type

Information

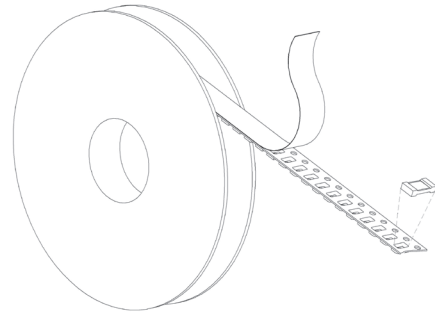
B-samples	on request
AEC-Q200 qualification	April 2026
SOP	December 2026

Recommended solder profile

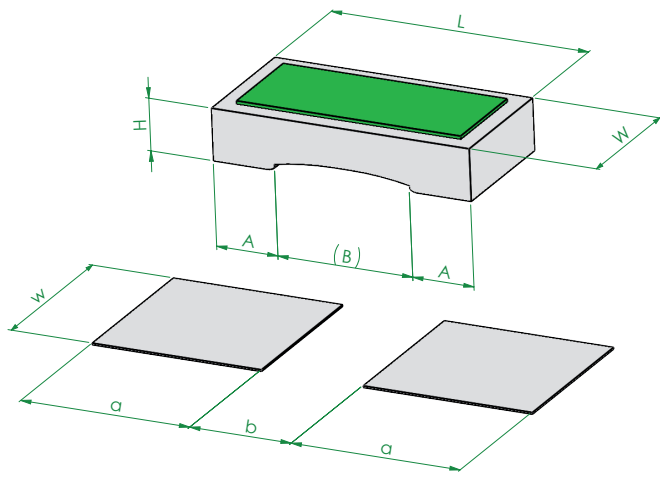
Reflow- and IR-soldering				
Temperature	°C	260	255	217
Time	sec	peak	40	90

Tape and reel information

Specification	DIN EN 60286-3			
Tape width (paper)	mm	8		
Reel size	inch	13		
Parts per reel	pcs	15000		



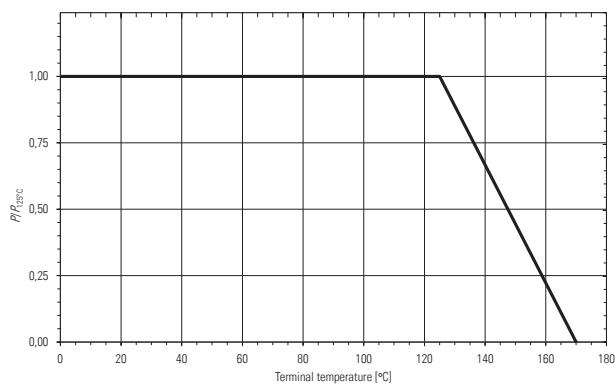
Mechanical dimensions and pcb-layout proposal (Reflow-soldering) [mm]



type:	L	W	H	A
FMH	1.52 ±0.2	0.76 ±0.2	0.3 ±0.15	0.36 ±0.1

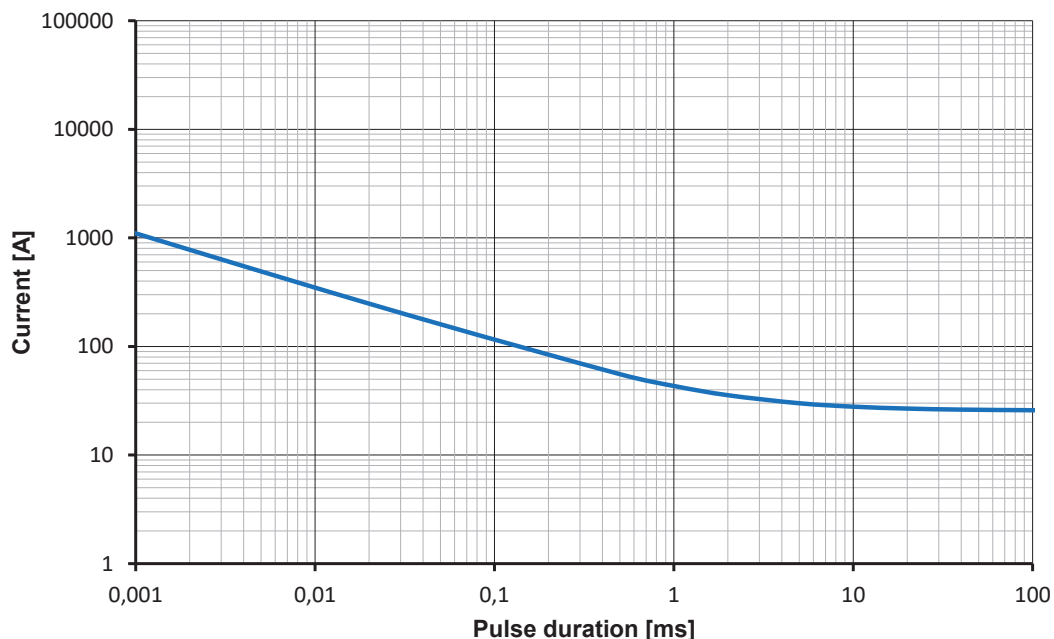
solder pad type:	a	b	w
FMH	1.0	0.6	0.96

Power derating curve



FMH-K-R000

Pulse current characteristic ($T_K = 125\text{ °C}$)



Specification

Parameters	Test conditions	Specified values
Temperature Cycling	2000 cycles (-55 °C to +150 °C)	±20% ±0.2 mΩ
Resistance to Soldering Heat	3x reflow soldering (condition K) time above 217 °C, 60s-150s	±20% ±0.2 mΩ
Operational Life	2000 h, at nominal load	±20% ±0.2 mΩ
High Temperature Exposure	2000 h / 170 °C	±20% ±0.2 mΩ
Bias Humidity	+85 °C, 85 r.F., 1000 h	±10%

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