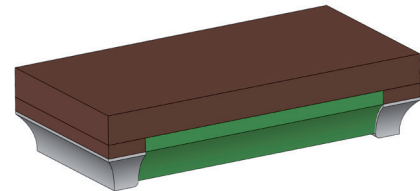




PRELIMINARY VERSION

FMH-K-R000 (0603)

ISA-PLAN® PRECISION RESISTOR



FEATURES

- 0.135 W power rating at 170 °C
- Constant current up to 26 A
- Standard pad size (0603)
- Mounting: Reflow-, and IR-soldering
- AEC-Q200 qualification in process



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	W	0.135
Inductance	nH	<1
Current	A	26

Ordering code

FMH - K - R000

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

Information

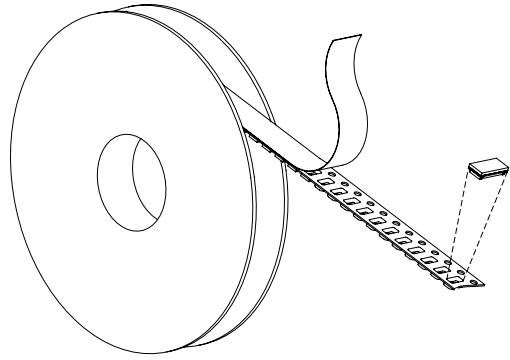
B-samples	available on request
AEC-Q200 qualification	available in July 2025

Recommended solder profile

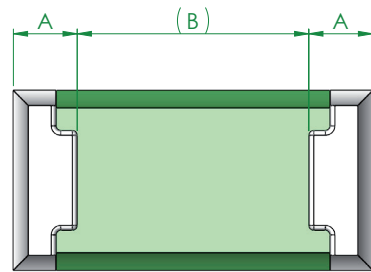
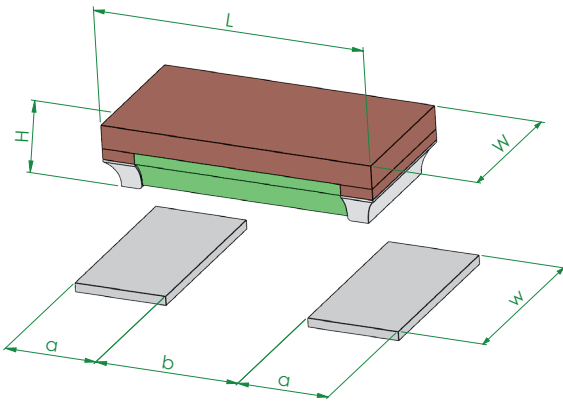
Reflow- and IR-soldering				
Temperature	°C	260	255	217
Time	sec	peak	40	90

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] // Z-YR-817b



type:	L	W	H	A	B
FMH	1.52 +0.18/-0.02	0.76 +0.18/-0.02	0.4 ±0.2	0.26 ±0.1	(1.0)
solder pad type:	w	a	b		
FMH	0.96	0.46	0.8		

Specification

Parameters	Test conditions	Specified values
Temperature Cycling	2000 cycles (-55 °C to +150 °C)	in preparation
Low Temperature Storage and Operation	-65 °C for 250 h	
Resistance to Soldering Heat	3x reflow soldering (conditon K) time above 217 °C, 60s-150s	
Operational Life	2000 h, at nominal load	
High Temperature Exposure	2000 h / 170 °C	
Bias Humidity	+85 °C, 85 r.F., 1000 h	

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