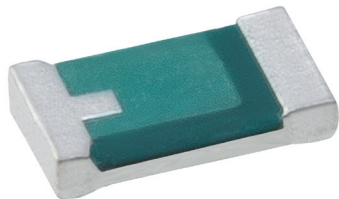


ISA-PLAN® // PRECISION RESISTORS



VMI-R000-U // Size 0805



Features

- 0.25 W power rating at 170 °C
- Constant current up to 35 A (DC-current)
- Standard pad size (0805)
- High pulse power rating
- Mounting: Reflow-, and IR-soldering
- RoHS 2011/65/EU compliant



Applications

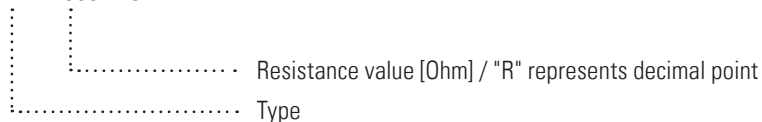
- Jumper
- Multiple usage of the layout

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	0.25
Inductance	nH	<1
DC-current	A	35

Ordering code

VMI - R000 - U*



* Former ordering code VMI-R000

Specification

Parameters	Test conditions	Specified values
Temperature Cycling	2000 cycles (-55 °C to +150 °C)	20 % ±0.2 mΩ
Low Temperature Storage and Operation	-65 °C for 250 h	±10 %
Resistance to Soldering Heat	260 °C for 10 sec / 8h steam aging	10 % ±0.1 mΩ (3 x reflow profile)
Operational Life	2000 h, TK max 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 %



VMI-R000-U // Size 0805

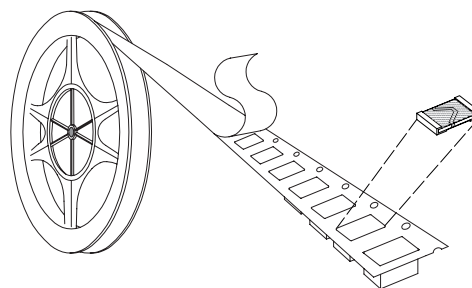
Recommended solder profile

Reflow- and IR-soldering

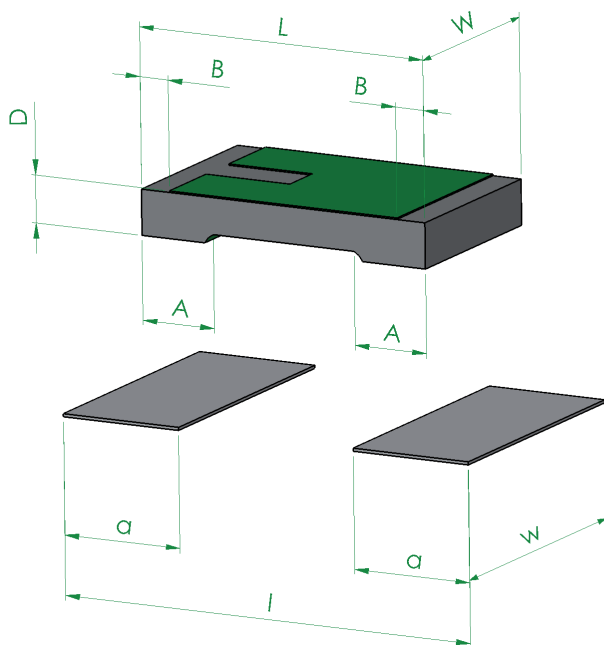
Temperature	°C	260	255	217
Time	sec	peak	40	90

Tape and reel information

Specification	DIN EN 60286-3			
Tape width	mm	12		
Reel size	inch	13		
Parts per reel	pcs	15000		



VMS / P / K / I

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

type:	L	W	H	A	B
VMI 0 Ohm	2.03 ±0.15	1.27 ±0.15	0.3 ±0.15	0.45 ±0.1	0.2 ±0.15/-0.1

solder pad type:	l	w	a
VMI 0 Ohm	2.9	1.8	0.82

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