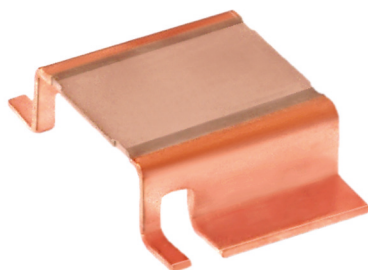


## ISA-WELD® // PRECISION RESISTORS



### BVR-PW // Size 4026

### PRELIMINARY VERSION



#### Features

- Power rating up to 5 W
- Heavy copper connectors
- Excellent long-term stability
- Upscreened per ESCC 4001 or MIL-PRF 55342
- SnPb tinned contacts



#### Applications

- Aerospace

#### Technical data \*

Resistance values	<b>m0hm</b>	0.2 to 3	
Tolerance	<b>%</b>	0.5 / 1	
Temperature coefficient	<b>ppm/K</b>	<b>&lt;1 m0hm</b>	<b>≥1 m0hm</b>
-55 °C to +22 °C		-100, +0	-60, +0
+22 °C to +170 °C		±30	±30
+22 °C to +60 °C		±20	±50
Applicable temperature range	<b>°C</b>	-65 to +170	
Power rating <b>P<sub>100 °C</sub></b>	<b>W</b>	up to 5	
Internal heat resistance (R <sub>thi</sub> )	<b>K/W</b>	from 4	
Inductance	<b>nH</b>	<3	
Stability (nominal load) deviation after 2000h, T <sub>K</sub> = Terminal temperature		<0.5 % (T <sub>K</sub> =100 °C)	

\* For detailed information see table on page 2



## BVR-PW // 4026

### Recommended solder profile

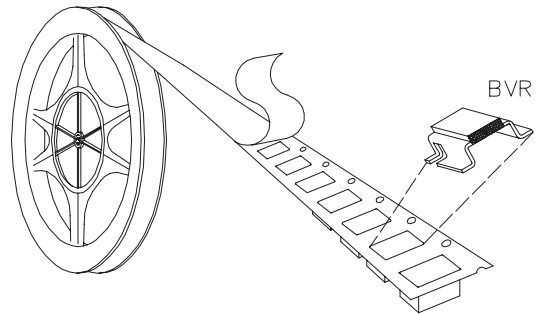
Reflow-, IR-soldering				
Temperature	°C	260	255	217
Time	sec	peak	40	90

### Packaging information

Specification	DIN EN 60286-3		
Tape width	mm	24	
Reel size	inch	13	

### Form of delivery

Tape	pcs	up to 250
Tape & Reel	pcs	>250



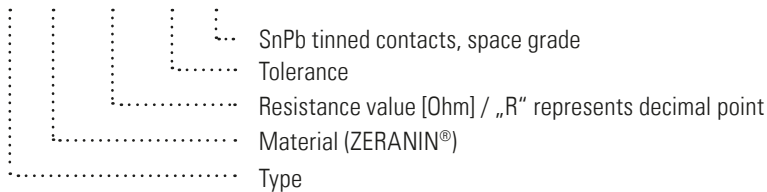
### Available standard resistance values and tolerances \*

Type	Value [mΩ]	R <sub>thi</sub> [K/W]	P <sub>Tk &gt; 100°C</sub> T <sub>K</sub> = 170°C - (R <sub>thi</sub> × P)
BVR-Z-R0002-0.5-PW	0.2	4	5
BVR-Z-R0002-1.0-PW	0.2	4	5
BVR-Z-R0003-0.5-PW	0.3	5	5
BVR-Z-R0003-1.0-PW	0.3	5	5
BVR-Z-R0004-0.5-PW	0.4	7	5
BVR-Z-R0004-1.0-PW	0.4	7	5
BVR-Z-R0005-0.5-PW	0.5	8	5
BVR-Z-R0005-1.0-PW	0.5	8	5
BVR-I-R001-0.5-PW	1	9	5
BVR-I-R001-1.0-PW	1	9	5
BVR-I-R002-0.5-PW	2	14	4
BVR-I-R002-1.0-PW	2	14	4
BVR-I-R003-0.5-PW	3	21	3
BVR-I-R003-1.0-PW	3	21	3

Material type I=ISA0HM®, Z=ZERANIN®

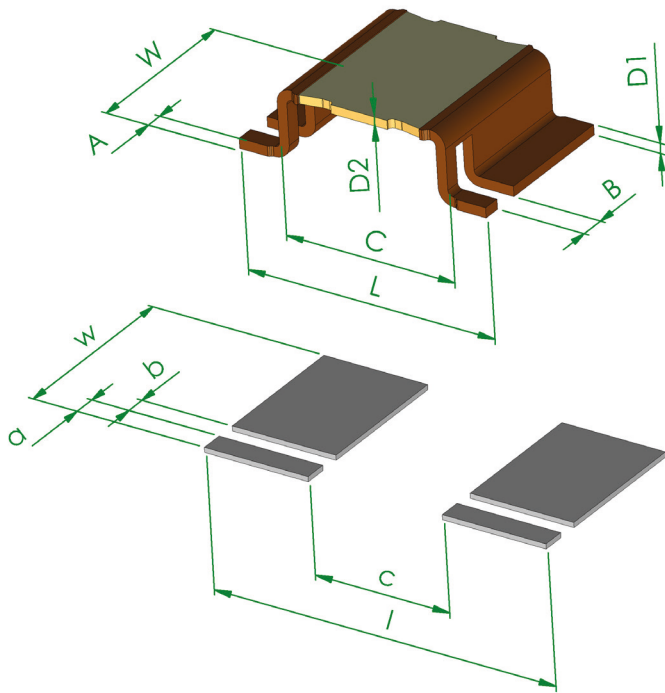
### Ordering code

BVR - Z - R0005 - 1.0 - PW





Mechanical dimensions and pcb-layout proposal (Reflow-soldering) [mm] // Z-YF-148e

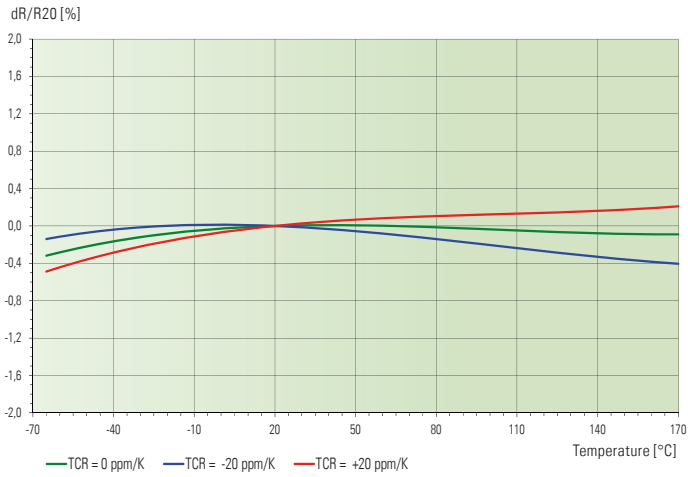


Type:	A	B	C	D1	D2	L	W
BVR-Z-R0002	0.7 ±0.1	1.0 ±0.1	6.9 ±0.2	0.4 ±0.1	1.2 ±0.1	10.1 ±0.2	6.6 +0.35/-0.2
BVR-Z-R0003	0.7 ±0.1	1.0 ±0.1	6.9 ±0.2	0.4 ±0.1	0.85 ±0.1	10.1 ±0.2	6.6 +0.35/-0.2
BVR-Z-R0004	0.7 ±0.1	1.0 ±0.1	6.9 ±0.2	0.55 ±0.1	0.55 ±0.1	10.1 ±0.2	6.6 +0.35/-0.2
BVR-Z-R0005	0.7 ±0.1	1.0 ±0.1	6.9 ±0.2	0.4 ±0.1	0.42 ±0.1	10.1 ±0.2	6.6 +0.35/-0.2
BVR-I-R001	0.7 ±0.1	1.0 ±0.1	7.42 ±0.2	0.66 ±0.1	1.1 ±0.1	10.1 ±0.2	6.6 +0.35/-0.2
BVR-I-R002	0.7 ±0.1	1.0 ±0.1	6.9 ±0.2	0.4 ±0.1	0.55 ±0.1	10.1 ±0.2	6.6 +0.35/-0.2
BVR-I-R003	0.7 ±0.1	1.0 ±0.1	6.9 ±0.2	0.4 ±0.1	0.36 ±0.1	10.1 ±0.2	6.6 +0.35/-0.2

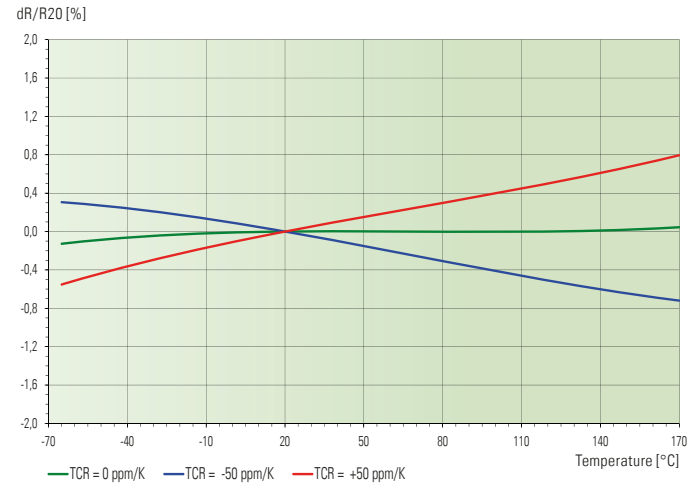
Solder Pad type:	a	b	c	l	w
BVR	0.9	0.8	5.5	10.6	7.3



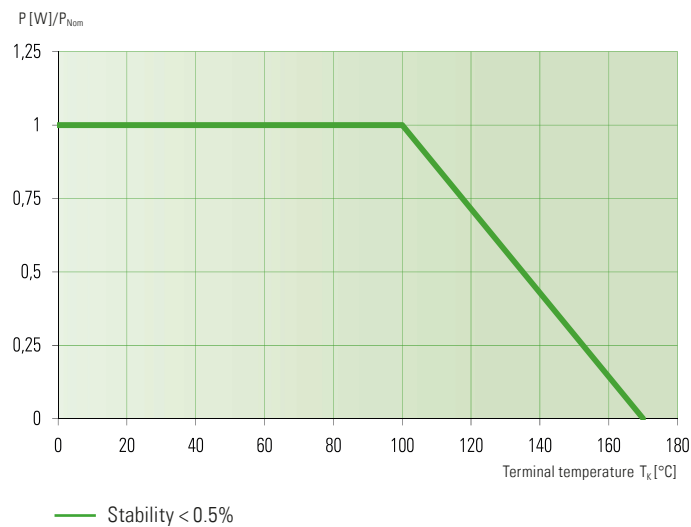
### Temperature dependence of the electrical resistance of ZERANIN® resistors



### Temperature dependence of the electrical resistance of ISAOHM® resistors



### General power derating curve at 100 °C



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