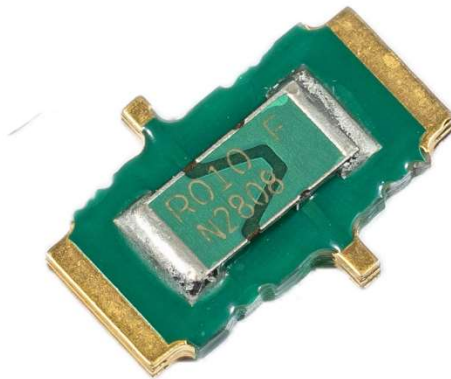


## Adaptor Board AB129 Assembly

(Released April 8<sup>th</sup>, 2024)

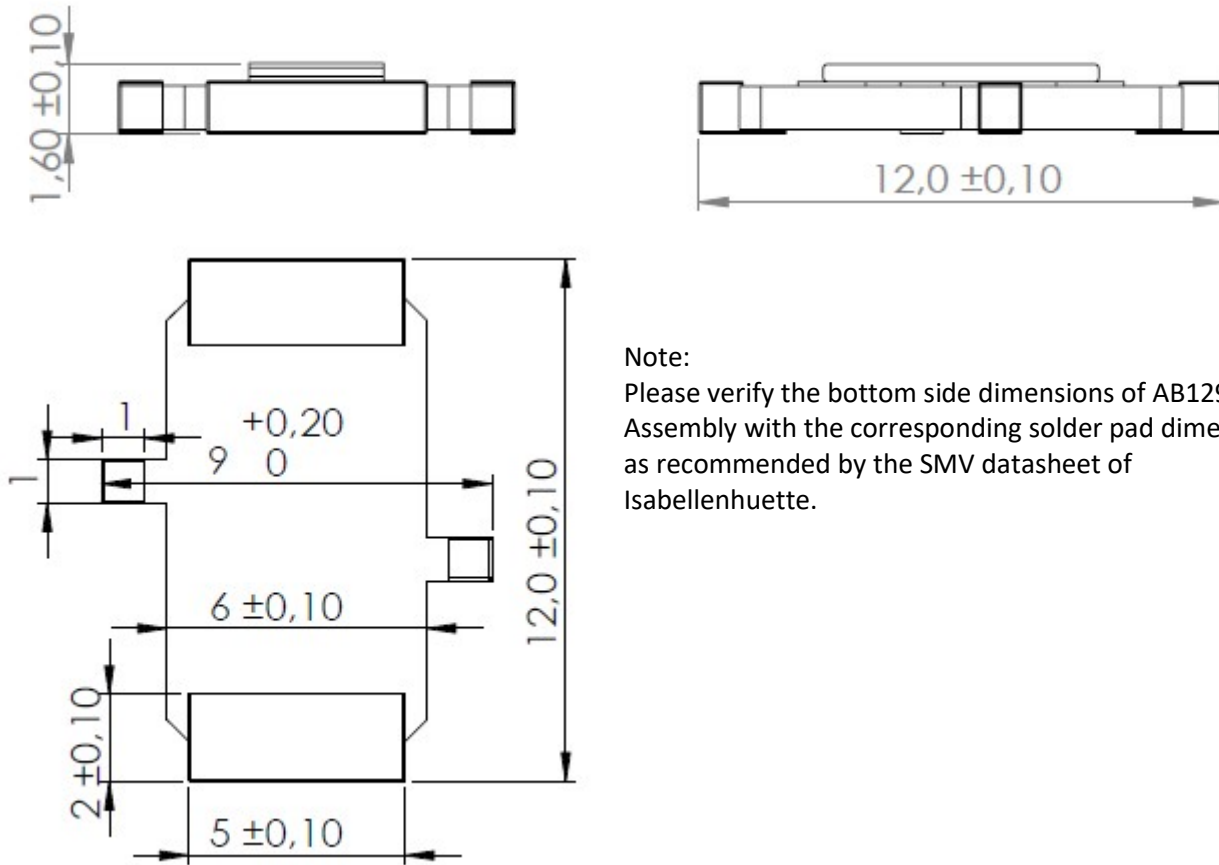


Adaptor Board AB129 Assembly

### Adaptor Board AB129 Assembly - Features

- ✓ Assembly consisting of Adaptor Board AB129 and suitable standard SMD resistor components for a pin-compatible replacement of SMV-series of Isabellenhuette (case size 4723)
- ✓ Mounting: Reflow-, IR- and vapour phase soldering
- ✓ Packaging: tape/reel accordingly to EN 60286-3 (1,000 pcs per reel)
- ✓ RoHS 2011/65/EU compliant
- ✓ Excellent long-term stability ( $dR/R < \pm 0.7\%$  in 2000hrs at rated power and temperature)
- ✓ On request: lot inspection per MIL-PRF-55342 (scope to be determined as required)

## Adaptor Board AB129 Assembly - Dimensions



**Note:**

Please verify the bottom side dimensions of AB129-Assembly with the corresponding solder pad dimensions as recommended by the SMV datasheet of Isabellenhuette.

## Adaptor Board AB129 Assembly – Technical Specifications

Assembly	Power Rating P(70) [W]	Resistance value range [ $\Omega$ ]*	Resistance value tolerance*	TCR [ppm/K]*
AB129-2512R	4	0.001 – 1.0	0.5%; 1%	<20

Note: individual resistance values can be obtained from list of available resistance values on pages 3 & 4.

## Adaptor Board AB129 Assembly – Ordering code

Example: AB129-2512R050F

Type of assembly	Resistance value [Ω]	Tolerance
AB129-2512R	R050	F (1%)

## Adaptor Board AB 129 Assembly – Available resistance values & tolerances

E12 series [Ω]	E24 series [Ω]	0.5% (D)	1.0% (F)
0.001	0.001	(•)	(•)
	0.002	(•)	(•)
	0.003	(•)	(•)
	(0.005)		•
0.0068	0.0068		•
	0.0075		(•)
0.0082	0.0082		
	0.0091		
0.010	0.010	•	•
	0.011		
0.012	0.012	•	•
	0.013		
0.015	0.015	•	•
	0.016		
0.018	0.018		(•)
	0.020	•	•
0.022	0.022	•	•
	0.024		
	(0.025)	•	•
0.027	0.027	•	•
	0.030	•	•
0.033	0.033	•	•
	0.036		
0.039	0.039	•	•
	0.043		
0.047	0.047	•	•
	(0.050)	•	•
	0.051		
0.056	0.056	•	•
	0.062		
0.068	0.068	•	•

## Adaptor Board AB 129 Assembly – Available resistance values & tolerances

E12 series [ $\Omega$ ]	E24 series [ $\Omega$ ]	0.5%	1.0%
	0.075		(•)
0.082	0.082	•	•
	0.091		
0.100	0.100	•	•
	0.110		
0.120	0.120	•	•
	0.130		
0.150	0.150	•	•
	0.160		
0.180	0.180	•	•
	0.200	•	•
0.220	0.220	•	•
	0.240	•	•
0.270	0.270		•
	0.300	•	•
0.330	0.330	•	•
	0.360		
0.390	0.390		(•)
	0.430		
0.470	0.470	•	•
	(0.500)	•	•
	0.510		
0.560	0.560		
	0.620		
0.680	0.680	•	•
	0.750		
0.820	0.820		(•)
	0.910		
1.000	1.000	•	•

Note: resistance values marked (•) are deviating in terms of height dimension and TCR. Please get in touch with the manufacturer for further details.

## Adaptor Board AB 129 Assembly – General application note



Please take into consideration that the terminal temperature of the Adaptor Board AB129 Assembly must not exceed 100°C in continuous operation.

## Manufacturer / Source of Supply

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