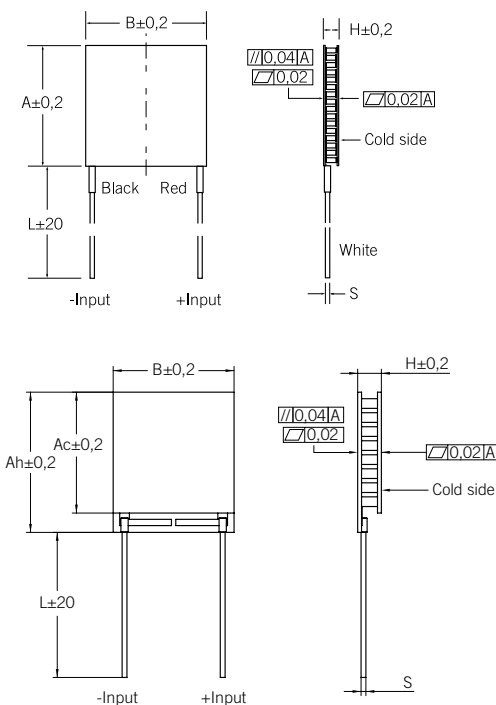




Miniature modules

This range has been specially developed for low-effect applications where space is limited, such as optical components, sensors and lasers typically found in the opto-electronics and telecom industries. Our superior TE-material makes it possible to achieve ΔT up to 74°C (at $T_{\text{hot}} = 25^{\circ}\text{C}$). Standard sizes range from $2.5 \times 2.5 \text{ mm}$ up to $13.2 \times 13.2 \text{ mm}$.

Standard internal solder temperature is 138°C ($T_{\text{h max}} 80^{\circ}\text{C}$). Optionally we can offer 183°C and 232°C internal solder – both with an operating temperature of up to 150°C . Gold metallization and pretinning (95, 138 or 183°C) are other options. We also provide miniature TEMs on request.



Product No.	I_{max} (A)	U_{max} (V)	$P_{\text{c max}}$ (W)	ΔT_{max} ($^{\circ}\text{C}$)	R_{AC} (ohm)	(mm)					S mm/mm ²
						A / Ac	Ah	B	H	L	
Miniature modules											
PE-008-03-09	0.5	1.0	0.3	71	1.82	2.5	3.5	2.5	2.05	50	0.25 ¹
PE-018-03-09	0.5	2.2	0.6	71	4.29	3.5	4.5	3.5	2.05	50	0.25 ¹
PE-032-03-09	0.5	3.9	1.1	71	7.62	5.0	6.0	5.0	2.05	50	0.25 ¹
PE-007-06-11	1.5	0.9	0.8	72	0.42	4.0		4.0	2.7	50	0.25 ¹
PE-017-06-11	1.5	2.1	2.0	72	1.12	6.0		6.0	2.7	50	0.25 ¹
PE-018-06-11	1.5	2.2	2.1	72	1.22	6.0	7.2	6.0	2.7	50	0.25 ¹
PE-023-06-11	1.5	2.8	2.6	72	1.53	8.2		6.0	1.95	50	0.25 ¹
PE-029-06-11	1.5	3.6	3.3	72	1.87	10.2		6.0	2.7	50	0.25 ¹
PE-031-06-11	1.5	3.8	3.6	72	2.03	8.0		8.0	2.7	50	0.25 ¹
PE-068-06-11	1.5	8.3	7.8	72	4.35	13.2		13.2	2.7	50	0.25 ¹
PE-007-05-15	0.8	0.9	0.4	74	0.88	4.0		4.0	3.0	50	0.07 ²
PE-011-05-15	0.8	1.4	0.7	74	1.45	4.0		6.0	3.0	50	0.07 ²
PE-017-05-15	0.8	2.1	1.1	74	2.15	6.0		6.0	3.0	50	0.07 ²
PE-031-05-15	0.8	3.8	2.0	74	4.11	8.0		8.0	3.0	50	0.07 ²
PE-065-05-15	0.8	8.1	4.2	74	8.2	11.0		12.0	3.0	100	0.07 ²
PE-007-07-10	2.4	0.9	1.3	72	0.34	6.0		6.0	2.5	50	0.14 ²
PE-011-07-10	2.4	1.4	1.9	72	0.53	6.0		8.0	2.5	50	0.14 ²
PE-017-07-10	2.4	2.1	2.9	72	0.82	8.0		8.0	2.5	50	0.14 ²
PE-031-07-10	2.4	3.8	5.3	72	1.49	10.0		10.0	2.5	50	0.14 ²
PE-065-07-10	2.4	8.1	11.1	72	3.12	14.0		15.0	2.5	50	0.14 ²

- R_{AC} tolerance = $\pm 10\%$
- Tolerance of I_{max} , U_{max} , Q_{max} = $\pm 5\%$

1) Bare wire, Ni over Cu, diameter in mm
 2) Teflon insulated wire. Cross section in mm²