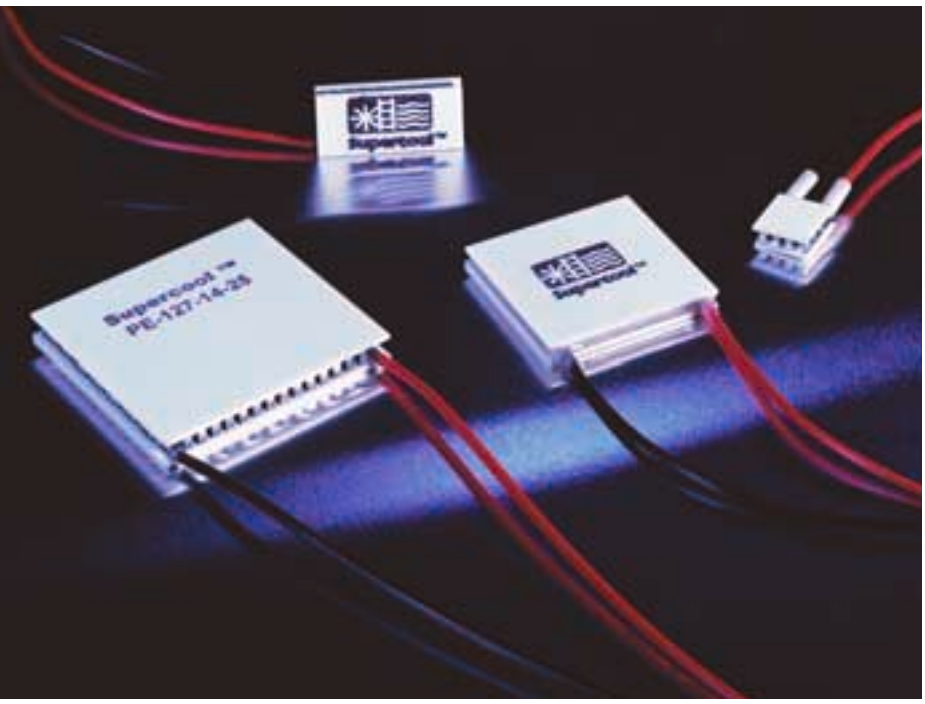


Standard modules

Supercool's thermoelectric modules for industrial and commercial applications deliver the market's best cooling performance.
By using one or more TEMs, you can design a cooling system with effects ranging from just a few Watts all the way up to several hundred Watts. With max. voltage from 0.9 V up to 30 V DC and an array of pellet geometries, there's every chance of finding just the right module for your application. In the event that our standard range doesn't meet all your requirements, we offer a choice of other dimensions and pellet geometries. Max. ΔT up to 75°C (at T_{hot} = 25°C).
To optimize service life, maximum warm side temperature is 80°C.

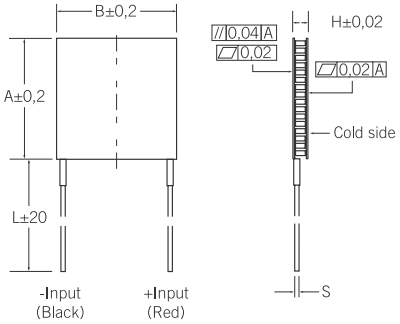
Sealed versions

We also provide a selection of off-the-shelf standard TEMs with perimeter sealing.
Silicon moisture sealing: A cost-effective moisture sealing method suitable for most applications. Add –S after product code (PE-071-14-15-S)
Epoxy moisture sealing: Moisture and vapor sealing using special epoxy resin with low thermal conductivity. Add –E after product code (PE-127-10-13-E)

Sealed modules (-S or –E) available from stock are given in the table below.
All high performance modules are available in a sealed version on request.

Product No.	I_{max} (A)	U_{max} (V)	P_{cmax} (W)	ΔT_{max} (°C)	R_{AC} (ohm)	(mm) A	B	H	L	S AWG #	Available Sealing[1]
Standard modules											
PE-007-14-15	6.0	0.9	3.3	74	0.12	10	10	3.9	200	22	
PE-017-10-15	3.4	2.1	4.5	74	0.49	10	10	3.8	200	24	
PE-017-14-15	6	2.1	7.6	74	0.29	15	15	3.9	200	22	
PE-031-08-15	2.2	3.8	5.1	74	1.57	13	13	3.8	200	24	
PE-031-10-08	6	3.8	13.8	72	0.52	15	15	3.1	200	22	
PE-031-10-13	3.9	3.8	9.3	74	0.93	15	15	3.6	200	24	S
PE-031-10-15	3.4	3.8	8.1	74	1.03	15	15	3.8	200	24	S
PE-031-14-15	6	3.8	14.5	74	0.48	20	20	3.9	200	22	
PE-063-08-15	2.2	7.8	10.4	74	3.20	25	12	3.8	150	24	
PE-063-10-15	3.4	7.8	16.5	74	2.03	30	15	3.8	200	24	
PE-071-10-08	6	8.8	31.6	72	1.17	20	20	3.1	200	22	
PE-071-10-13	3.9	8.8	21.2	74	1.98	20	20	3.6	200	24	S
PE-071-10-15	3.4	8.8	18.5	74	2.18	20	20	3.8	200	24	
PE-071-14-11	8.5	8.8	45.8	72	0.83	30	30	3.8	200	20	
PE-071-14-15	6	8.8	33.2	74	1.27	30	30	3.9	200	22	S
PE-071-14-25	3.9	8.8	21.6	75	1.88	30	30	4.8	200	22	
PE-071-20-15	13.1	8.8	71.9	74	0.55	47	47	4.6	200	20	
PE-127-08-15	2.2	15.7	20.9	74	6.2	25	25	3.8	200	24	
PE-127-08-25	1.3	15.7	12.6	75	11.0	25	25	4.8	200	24	S
PE-127-10-08	6	15.7	57.1	72	2.23	30	30	3.1	200	22	S
PE-127-10-13	3.9	15.7	37.9	74	3.46	30	30	3.6	200	24	S, E
PE-127-10-15	3.4	15.7	33.2	74	4.02	30	30	3.8	200	24	
PE-127-10-25	2	15.7	19.7	75	6.7	30	30	4.8	200	24	
PE-127-14-11	8.5	15.7	82.1	72	1.54	40	40	3.8	300	20	S, E
PE-127-14-15	6	15.7	59.4	74	2.23	40	40	3.9	300	22	S, E
PE-127-14-25	3.9	15.7	38.6	75	3.36	40	40	4.8	350	22	S, E
PE-127-20-15	13.1	15.7	128.7	74	1.08	62	62	4.6	200	20	
PE-127-20-25	8	15.7	78.7	75	1.68	62	62	5.6	200	20	
PE-131-10-13	3.9	16.2	39.1	74	3.65	40	23	3.6	200	24	S
PE-161-12-10	6.7	20.0	83.9	72	2.44	40	40	3.3	350	22	S
PE-161-12-13	5	20.0	62.3	74	3.34	40	40	3.7	350	22	S
PE-161-12-15	4.4	20.0	54.6	74	3.87	40	40	3.9	350	22	S
PE-241-10-13	3.9	30.0	71.8	74	6.6	40	40	3.6	200	24	
PE-241-10-25	2	30.0	37.3	75	12.7	40	40	4.8	300	24	S
PE-241-14-15	6	30.0	112.7	74	4.21	55	55	3.9	200	22	

1) S = Silicon sealed version available. E = Epoxy sealed version available. Note! Max ΔT is reduced by 2-3°C for S-type and 1-2°C for E-type.



- *Lead wires are approved acc. to UL 1569.*
- *R_{AC} tolerance = ±10%*
- *Tolerance of I_{max}, U_{max}, Q_{max} = ± 5%*