

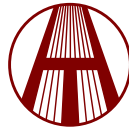
High Temperature TEC Modules Price List

(May 29, 2013)

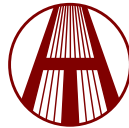
Melting Temperature for Soldering: 238°C
 Recommended Operation Temperature: 200°C

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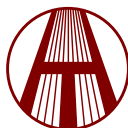
Rectangular Shape															
Part #	Imax (A)	Vmax (V)	Qmax (W)	DTmax (°C)	Dimension (mm)				1-4 PCs	5-24 PCs	25-100 PCs	>100 PCs	Note	Stock	TEC Controller Recommended
					Lc	Lh	W	H							
ATE1-07-1ASH	1	0.8	0.6	63	8		8	5.18	\$12.0	\$11.5	\$10.9	\$10.4	Sealed		Not Recommended
ATE1-07-3ASH	3	0.8	1.7		8		8	3.93	\$12.0	\$11.5	\$10.9	\$10.4	Sealed		Not Recommended
ATE1-07-4BSH	4	0.8	2.3		10		10	4.65	\$13.0	\$12.4	\$11.7	\$11.1	Sealed	10	Not Recommended
ATE1-07-6ASH	6	0.8	3.4		8		8	3.55	\$12.0	\$11.5	\$10.9	\$10.4	Sealed		Not Recommended
ATE1-17-3ASH	3	2	4.2		12		12	3.70	\$12.0	\$11.5	\$10.9	\$10.4	Sealed		Not Recommended
ATE1-17-3BSH	3	2	4.2		15		15	4.80	\$12.0	\$11.5	\$10.9	\$10.4	Sealed		Not Recommended
ATE1-17-4ASH	4	2	5.6		12		12	3.46	\$12.0	\$11.5	\$10.9	\$10.4	Sealed	10	Not Recommended
ATE1-17-5ASH	5	2	7		15		15	4.10	\$12.0	\$11.5	\$10.9	\$10.4	Sealed		Not Recommended
ATE1-18-1R2AH	1.2	2.18	1.46	67	7.1	8.3	6.4	2.45	\$17.9	\$17.1	\$16.2	\$15.4	Non- sealed		TEC-A1-5V- 2.5V-D
ATE1-18-1R2ASH	1.2	2.18	1.46		7.1	8.3	6.4	2.45	\$17.9	\$17.1	\$16.2	\$15.4	Sealed		TEC-A1-5V- 2.5V-D
ATE1-19-4ASH	4	2.3	5.6	63	20		10	4.0	\$12.0	\$11.5	\$10.9	\$10.4	Sealed		Not Recommended
ATE1-31-1ASH	1	3.7	2.6		15		15	5.01	\$12.0	\$11.5	\$10.9	\$10.4	Sealed		TEC-A1-5V- 5V-D
ATE1-31-2ASH	2	3.7	5.2		15		15	4.04	\$12.0	\$11.5	\$10.9	\$10.4	Sealed		TEC-A1-5V- 5V-D
ATE1-31-2BSH	2	3.7	5.2		20		20	4.84	\$12.0	\$11.5	\$10.9	\$10.4	Sealed		TEC-A1-5V- 5V-D
ATE1-31-3ASH	3	3.7	7.8		15		15	3.69	\$12.0	\$11.5	\$10.9	\$10.4	Sealed		TEC-5V4A-D
ATE1-31-3BSH	3	3.7	7.8		20		20	4.10	\$12.0	\$11.5	\$10.9	\$10.4	Sealed	9	TEC-5V4A-D
ATE1-31-4ASH	4	3.7	10.4		15		15	3.14	\$12.0	\$11.5	\$10.9	\$10.4	Sealed		Not Recommended
ATE1-31-5AH	5	3.7	12		20		20	3.88	\$12.0	\$11.5	\$10.9	\$10.4	Non- sealed		Not Recommended
ATE1-31-6ASH	6	3.7	15.5	15		15	3.05	\$12.0	\$11.5	\$10.9	\$10.4	Sealed		Not Recommended	



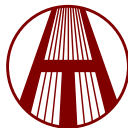
Part #	Imax (A)	Vmax (V)	Qmax (W)	DTmax (°C)	Dimension (mm)				1-4 PCs	5-24 PCs	25-100 PCs	>100 PCs	Note	Stock	TEC Controller Recommended
					Lc	Lh	W	H							
ATE1-35-1ASH	1	4.2	2.8	63	30		15	4.45	\$12.0	\$11.5	\$10.9	\$10.4	Sealed		TEC-A1-5V-5V-D
ATE1-35-2ASH	2	4.2	5.6		30		15	4.24	\$12.0	\$11.5	\$10.9	\$10.4	Sealed		TEC-A1-5V-5V-D
ATE1-35-3ASH	3	4.2	8.4		30		15	4.98	\$12.0	\$11.5	\$10.9	\$10.4	Sealed		TEC-5V4A-D
ATE1-35-4ASH	4	4.2	11.2		30		15	4.67	\$12.0	\$11.5	\$10.9	\$10.4	Sealed	10	TEC-5V4A-D
ATE1-49-1ASH	1	5.9	4.1		20		20	5.07	\$13.0	\$12.5	\$12.0	\$11.5	Sealed		TEC-A1-5V-5V-D
ATE1-49-2ASH	2	5.9	8.4		20		20	3.87	\$13.0	\$12.5	\$12.0	\$11.5	Sealed		TEC-A1-5V-5V-D
ATE1-49-2BSH	2	5.9	8.4		25		25	4.81	\$13.5	\$13.0	\$12.5	\$12.0	Sealed		TEC-A1-5V-5V-D
ATE1-49-3ASH	3	5.9	12.6		20		20	3.43	\$13.0	\$12.5	\$12.0	\$11.5	Sealed	10	TEC-A1-5V-5V-D
ATE1-49-4ASH	4	5.9	16.8		20		20	3.30	\$13.0	\$12.5	\$12.0	\$11.5	Sealed		TEC-A1-5V-5V-D
ATE1-49-4BH	4	5.9	13.9		25		25	4.19	\$13.5	\$13.0	\$12.5	\$12.0	Non-sealed		TEC-A1-5V-5V-D
ATE1-49-5AH	5	5.9	17.7		25		25	3.22	\$13.5	\$13.0	\$12.5	\$12.0	Non-sealed		TEC-5V4A-D
ATE1-49-5ASH	5	5.9	17.7		25		25	3.77	\$13.5	\$13.0	\$12.5	\$12.0	Sealed		TEC-5V4A-D
ATE1-49-6AH	6	5.9	21.5		25		25	3.70	\$13.5	\$13.0	\$12.5	\$12.0	Non-sealed		Not Recommended
ATE1-49-6ASH	6	5.9	21.5		25		25	3.70	\$13.5	\$13.0	\$12.5	\$12.0	Sealed		Not Recommended
ATE1-63-3AH	3	7.6	12.7	67	30		15	3.55	\$14.2	\$13.5	\$12.9	\$12.2	Non-sealed		TEC-A1-5V-5V-D
ATE1-63-6ASH	6	7.6	25.2		40		20	3.73	\$14.2	\$13.5	\$12.9	\$12.2	Sealed		TEC-5V4A-D
ATE1-71-1ASH	1	8.5	5.6	63	23		23	5.07	\$14.2	\$13.5	\$12.9	\$12.2	Sealed		TEC-A1-5V-5V-D
ATE1-71-2ASH	2	8.5	11.2		23		23	3.69	\$15.0	\$14.5	\$13.9	\$13.4	Sealed		TEC-A1-5V-5V-D
ATE1-71-2BSH	2	8.5	11.2		30		30	4.20	\$16.0	\$15.5	\$14.9	\$14.4	Sealed		TEC-A1-5V-5V-D
ATE1-71-3AH	3	8.5	15.8		23		23	3.34	\$15.0	\$14.5	\$13.9	\$13.4	Non-sealed		TEC-A1-5V-5V-D
ATE1-71-3ASH	3	8.5	15.8		23		23	3.34	\$15.0	\$14.5	\$13.9	\$13.4	Sealed	2	TEC-A1-5V-5V-D
ATE1-71-3BH	3	8.5	16.6		30		30	4.80	\$16.0	\$15.5	\$14.9	\$14.4	Non-sealed		TEC-A1-5V-5V-D



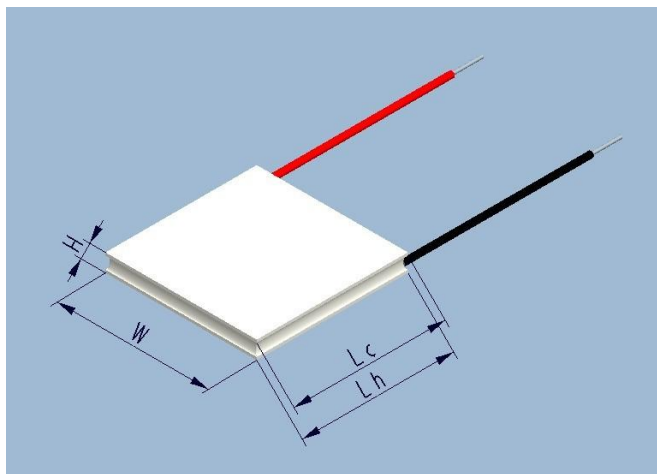
Part #	Imax (A)	Vmax (V)	Qmax (W)	DTmax (°C)	Dimension (mm)				1-4 PCs	5-24 PCs	25-100 PCs	>100 PCs	Note	Stock	TEC Controller Recommended
					Lc	Lh	W	H							
ATE1-71-3BSH	3	8.5	16.8	63	30		30	4.80	\$16.0	\$15.5	\$14.9	\$14.4	Sealed		TEC-A1-5V-5V-D
ATE1-71-4AH	4	8.5	21.1		23		23	3.20	\$15.0	\$14.5	\$13.9	\$13.4	Non-sealed		TEC-A1-5V-5V-D
ATE1-71-4ASH	4	8.5	21.1		23		23	3.20	\$15.0	\$14.5	\$13.9	\$13.4	Sealed	2	TEC-A1-5V-5V-D
ATE1-71-4BH	4	8.5	21.1		30		30	4.40	\$16.0	\$15.5	\$14.9	\$14.4	Non-sealed		TEC-A1-5V-5V-D
ATE1-71-4BSH	4	8.5	22.4		30		30	4.40	\$16.0	\$15.5	\$14.9	\$14.4	Sealed		TEC-A1-5V-5V-D
ATE1-71-5AH	5	8.5	26.3		23		23	3.18	\$15.0	\$14.5	\$13.9	\$13.4	Non-sealed		TEC-A1-5V-5V-D
ATE1-71-5ASH	5	8.5	26.3		23		23	3.18	\$15.0	\$14.5	\$13.9	\$13.4	Sealed		TEC-A1-5V-5V-D
ATE1-71-5BH	5	8.5	29.1		30		30	4.11	\$16.0	\$15.5	\$14.9	\$14.4	Non-sealed		TEC-A1-5V-5V-D
ATE1-71-5BSH	5	8.5	28		30		30	4.11	\$16.0	\$15.5	\$14.9	\$14.4	Sealed		TEC-A1-5V-5V-D
ATE1-71-6ASH	6	8.5	34.1		30		30	4.08	\$16.0	\$15.5	\$14.9	\$14.4	Sealed		TEC-5V4A-D
ATE1-71-7ASH	7	8.5	40.3		30		30	3.68	\$16.0	\$15.5	\$14.9	\$14.4	Sealed		TEC-5V4A-D
ATE1-71-8ASH	8	8.5	44.8		30		30	3.60	\$16.0	\$15.5	\$14.9	\$14.4	Sealed		TEC-5V4A-D
ATE1-97-6ASH	6	11.6	50.4	65	40		40	3.82	\$17.2	\$16.5	\$15.9	\$15.2	Sealed		TEC-A1-5V-5V-D
ATE1-127-2ASH	2	15.4	16.8	63	30		30	3.95	\$18.2	\$17.5	\$16.9	\$16.2	Sealed		TEC-A1-5V-5V-D
ATE1-127-3AH	3	15.4	20		30		30	3.55	\$18.2	\$17.5	\$16.9	\$16.2	Non-sealed		TEC-A1-5V-5V-D
ATE1-127-3ASH	3	15.4	25		30		30	3.55	\$18.2	\$17.5	\$16.9	\$16.2	Sealed		TEC-A1-5V-5V-D
ATE1-127-3BH	3	15.4	25	67	40		40	4.80	\$18.2	\$17.5	\$16.9	\$16.2	Non-sealed		TEC-A1-5V-5V-D
ATE1-127-3BSH	3	15.4	25		40		40	4.80	\$18.2	\$17.5	\$16.9	\$16.2	Sealed		TEC-A1-5V-5V-D
ATE1-127-4AH	4	15.4	33.4	63	30		30	3.53	\$18.2	\$17.5	\$16.9	\$16.2	Non-sealed		TEC-A1-5V-5V-D
ATE1-127-4ASH	4	15.4	33.4		30		30	3.53	\$18.2	\$17.5	\$16.9	\$16.2	Sealed	2	TEC-A1-5V-5V-D
ATE1-127-4BH	4	15.4	35	67	40		40	4.40	\$18.2	\$17.5	\$16.9	\$16.2	Non-sealed		TEC-A1-5V-5V-D
ATE1-127-4BSH	4	15.4	33.6		40		40	4.40	\$18.2	\$17.5	\$16.9	\$16.2	Sealed		TEC-A1-5V-5V-D



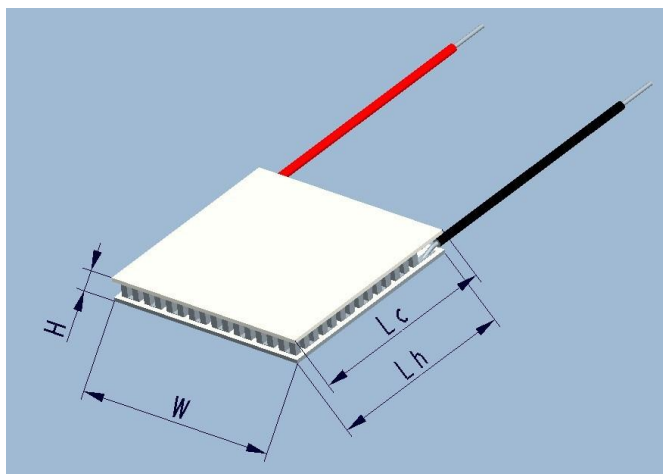
Part #	I _{max} (A)	V _{max} (V)	Q _{max} (W)	DT _{max} (°C)	Dimension (mm)				1-4 PCs	5-24 PCs	25-100 PCs	>100 PCs	Note	Stock	TEC Controller Recommended
					Lc	Lh	W	H							
ATE1-127-5AH	5	15.4	44.5	63	30		30	3.46	\$18.2	\$17.5	\$16.9	\$16.2	Non-sealed		TEC-A1-5V-5V-D
ATE1-127-5ASH	5	15.4	42		30		30	3.46	\$18.2	\$17.5	\$16.9	\$16.2	Sealed		TEC-A1-5V-5V-D
ATE1-127-5BH	5	15.4	44.5	67	40		40	4.20	\$18.2	\$17.5	\$16.9	\$16.2	Non-sealed		TEC-A1-5V-5V-D
ATE1-127-6AH	6	15.4	53.3		40		40	4.09	\$18.2	\$17.5	\$16.9	\$16.2	Non-sealed		TEC-A1-5V-5V-D
ATE1-127-6ASH	6	15.4	53.3		40		40	4.09	\$18.2	\$17.5	\$16.9	\$16.2	Sealed	3	TEC-A1-5V-5V-D
ATE1-127-7BSH	7	15.4	58.8	68	50		50	5.50	\$24.1	\$23.0	\$21.9	\$20.8	Sealed		TEC-A1-5V-5V-D
ATE1-127-8AH	8	15.4	71	67	40		40	3.70	\$18.2	\$17.5	\$16.9	\$16.2	Non-sealed		TEC-A1-5V-5V-D
ATE1-127-8ASH	8	15.4	67.2		40		40	3.70	\$18.2	\$17.5	\$16.9	\$16.2	Sealed		TEC-A1-5V-5V-D
ATE1-127-8BSH	8	15.4	67.2	68	50		50	5.20	\$27.3	\$26.0	\$24.7	\$23.4	Sealed		TEC-A1-5V-5V-D
ATE1-127-9ASH	9	15.4	75.6		50		50	4.95	\$24.1	\$23.0	\$21.9	\$20.8	Sealed		TEC-A1-5V-5V-D
ATE1-127-10ASH	10	15.4	84	67	40		40	3.65	\$18.2	\$17.5	\$16.9	\$16.2	Sealed		TEC-A1-5V-5V-D
ATE1-127-10BSH	10	15.4	84	68	50		50	4.80	\$24.1	\$23.0	\$21.9	\$20.8	Sealed		TEC-A1-5V-5V-D
ATE1-127-12ASH	12	15.4	100.8	67	40		40	3.50	\$18.2	\$17.5	\$16.9	\$16.2	Sealed		TEC-5V4A-D
ATE1-127-12BSH	12	15.4	100.8	68	50		50	4.62	\$24.1	\$23.0	\$21.9	\$20.8	Sealed		TEC-5V4A-D
ATE1-127-15ASH	15	15.4	126	67	40		40	3.75	\$18.2	\$17.5	\$16.9	\$16.2	Sealed		TEC-5V4A-D
ATE1-127-15BSH	15	15.4	126	68	50		50	4.30	\$24.1	\$23.0	\$21.9	\$20.8	Sealed		TEC-5V4A-D
ATE1-127-16ASH	16	15.4	150	67	40		40	3.72	\$18.2	\$17.5	\$16.9	\$16.2	Sealed		Not Recommended
ATE1-127-17AH	17	15.4	170	63	50		50	3.74	\$24.1	\$23.0	\$21.9	\$20.8	Non-sealed		Not Recommended
ATE1-127-18ASH	18	15.4	170	68	50		50	3.8	\$24.1	\$23.0	\$21.9	\$20.8	Sealed		Not Recommended
ATE1-127-24AH	24	15.4	201.6		50		50	3.7	\$24.1	\$23.0	\$21.9	\$20.8	Non-sealed		Not Recommended
ATE1-127-24ASH	24	15.4	201.6		50		50	3.7	\$24.1	\$23.0	\$21.9	\$20.8	Sealed	5	Not Recommended
ATE1-127-26ASH	26	15.4	218.4		50		50	3.67	\$24.1	\$23.0	\$21.9	\$20.8	Sealed		Not Recommended



Part #	I _{max} (A)	V _{max} (V)	Q _{max} (W)	DT _{max} (°C)	Dimension (mm)				1-4 PCs	5-24 PCs	25-100 PCs	>100 PCs	Note	Stock	TEC Controller Recommended
					L _c	L _h	W	H							
ATE1-127-30ASH	30	15.4	252	68	50		50	3.65	\$24.1	\$23.0	\$21.9	\$20.8	Sealed		Not Recommended
ATE1-161-4ASH	4	19.3	46.9	67	40		40	4.48	\$27.0	\$26.2	\$25.4	\$24.6	Sealed	10	TEC-A1-5V- 5V-D
ATE1-199-2ASH	2	24	33.6		40		40	4.3	\$26.0	\$25.3	\$24.5	\$23.8	Sealed		TEC-A1-5V- 5V-D
ATE1-199-3ASH	3	24	50.4		40		40	3.96	\$26.0	\$25.3	\$24.5	\$23.8	Sealed		TEC-A1-5V- 5V-D
ATE1-241-3ASH	3	28.9	50.4		40		40	3.55	\$28.5	\$27.6	\$26.8	\$25.9	Sealed		TEC-A1-5V- 5V-D
ATE1-241-4ASH	4	28.9	96		40		40	3.43	\$28.5	\$27.6	\$26.8	\$25.9	Sealed		TEC-A1-5V- 5V-D



Single stage TEC Module (Sealed)



Single stage TEC Module (Non-sealed)

Circular Shape															
Part #	I _{max} (A)	V _{max} (V)	Q _{max} (W)	DT _{max} (°C)	Maximum Operating Temperature	φ _o Outer Diameter	φ _{in} Inner Diameter	Height	1-4 PCs	5-24 PCs	25-100 PCs	>100 PCs	Note	Stock	TEC Controller Recommende d
ATE1C-49- 3ASH	3	5.5	12.6	63	150°C	26mm	10mm	3.3mm	\$13.0	\$12.4	\$11.8	\$11.2	Sealed	10	TEC-A1-5V- 5V-D

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