

# Thermoelectric Modules

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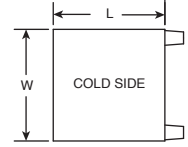
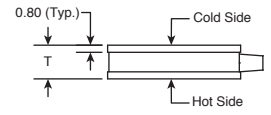
## CUI INC PELTIER MODULES

**Features:**

- Solid State Device
- Precise temperature control
- Small and lightweight
- Quiet operation



DIMENSIONS: mm



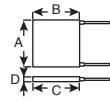
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CUI Part No.	Input Voltage (Max.) (V)	Input Current (Max.) (A)	Output Qmax <sup>1</sup>		Output ΔTmax <sup>2</sup>		Dimensions: mm			Price Each			
				Th = 27°C (W)	Th = 50°C (W)	Th = 27°C (°C)	Th = 50°C (°C)	L	W	T	1	10	50	100
<b>CP60 Series</b>														
490-CP60440	CP60440	15.4	6	53.0	59.3	68	75	40	40±0.3	4	19.13	18.48	17.21	16.57
<b>CP85 Series</b>														
490-CP85438	CP85438	15.4	8.5	75.0	83.9	68	75	40	40±0.3	3.8	19.13	18.48	17.21	16.57

## Laird THERMOELECTRIC MODULES

**CP Series - Ceramic Plate**

- Precise temperature control
- DC operation with reverse polarity
- Rapid cool down
- Tight geometric space constraints and low weight requirements
- Power generation from waste heat
- Reliable solid-state operation with no sound or vibration



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Thermal Part No.	Description	Th=25°C				No. of Couples	Dimensions: mm				Price Each			
			TMAX (°C)	QMAX (Watts)	IMAX (Amps)	VMAX (Volts)		A	B	C	D	1	10	50	100
739-66195-505	66195-505	CP08,127,06,L1,W4.5	67	18.1	2.1	15.4	127	25	25	25	3.4	39.96	37.26	34.56	32.40
739-71035-505	71035-505	CP08,31,06,L1,W4.5	67	4.4	2.1	3.8	31	12	12	12	3.4	27.98	25.83	23.68	21.89
739-71036-505	71036-505	CP08,63,06,L1,W4.5	67	9.0	2.1	7.6	63	12	25	12	3.4	40.43	37.69	34.96	32.77
739-430446-503	430446-503	CP08,127,05,L1,RT,W4.5	67	22.6	2.6	14.4	127	25	25	25	3.1	42.18	39.33	36.48	34.20
739-56460-501	56460-501	CP10,127,05,L1,W4.5	67	33.4	3.9	15.4	127	30	30	30	3.2	35.00	32.30	29.61	27.37
739-43310-502	43310-502	CP10,127,06,L1,W4.5	67	25.7	3.0	15.4	127	30	30	30	3.6	22.04	20.34	18.64	17.23
739-63202-501	63202-501	CP10,127,08,L1,W4.5	67	21.4	2.5	15.4	127	30	30	30	4.0	38.03	35.10	32.17	29.74
739-71012-506	71012-506	CP10,254,06,L1,W4.5	67	51.4	3.0	30.8	254	60	30	30	3.6	42.46	39.59	36.72	34.42
739-430801-504	430801-504	CP10,31,05,L1,W4.5	67	8.2	3.9	3.8	31	15	15	15	3.2	21.65	19.98	18.31	16.93
739-56430-501	56430-501	CP10,63,05,L1,W4.5	67	16.6	3.9	7.6	63	15	30	15	3.2	24.96	23.04	21.12	19.52
739-43280-503	43280-503	CP10,63,06,L1,W4.5	67	12.7	3.0	7.6	63	15	30	15	3.6	24.38	22.50	20.62	19.06
739-56460-500	56460-500	CP10,127,05,L1,EP,W4.5	67	34.3	3.9	14.4	127	30	30	30	3.2	29.15	26.91	24.67	22.80
739-430801-501	430801-501	CP10,31,05,L1,EP,W4.5	67	8.2	3.9	3.8	31	15	15	15	3.2	24.47	22.59	20.71	19.14
739-430848-509	430848-509	CP12,161,04,L1,RT,W4.5	67	79.2	7.3	18.4	161	40	40	40	3.3	37.05	34.20	31.35	28.98
739-430082-502	430082-502	CP14,127,045,L1,EP,W4.5	67	72.0	8.5	14.5	127	40	40	40	3.3	32.86	30.33	27.80	25.69
739-66101-500	66101-500	CP14,127,045,L1,RT,W4.5	67	72.0	8.5	14.5	127	40	40	40	3.3	32.18	29.70	27.22	25.16
739-430078-525	430078-525	CP14,127,06,L1,EP,W4.5	67	51.4	6.0	14.5	127	40	40	40	3.8	31.59	29.16	26.73	24.71
739-56760-500	56760-500	CP14,127,06,L1,RT,W4.5	67	51.4	6.0	14.5	127	40	40	40	3.8	31.59	29.16	26.73	24.71
739-56610-510	56610-510	CP14,127,10,L1,RT,W4.5	67	33.4	3.9	14.4	127	40	40	40	4.7	40.24	37.52	34.80	32.62
739-430294-502	430294-502	CP14,35,045,L1,EP,W4.5	68	20.4	8.7	4.0	35	15	15	15	3.3	38.22	35.28	32.34	29.89
739-430032-502	430032-502	CP14,71,045,L1,RT,W4.5	67	41.3	8.5	8.0	71	30	30	30	4.7	27.79	25.65	23.51	21.73
739-430705-504	430705-504	CP14,71,06,L1,EP,W6	68	28.7	6.0	8.1	71	30	30	30	3.8	31.30	28.89	26.48	24.48
739-70200-501	70200-501	CP14,71,10,L1,RT,W4.5	67	18.7	3.9	8.6	71	30	30	30	4.7	30.71	28.35	25.99	24.02
739-44910-501	44910-501	CP14,127,045,L1,W4.5	67	72.0	8.5	15.4	127	40	40	40	3.3	29.35	27.09	24.83	22.95
739-56760-505	56760-505	CP14,127,06,L1,W4.5	67	51.4	6.0	15.4	127	40	40	40	3.8	37.28	34.75	32.24	30.22
739-56610-502	56610-502	CP14,127,10,L1,W4.5	68	33.4	3.9	15.4	127	40	40	40	4.7	37.56	35.02	32.48	30.45
739-56860-501	56860-501	CP14,35,045,L1,W4.5	65	19.0	8.5	4.2	35	15	15	15	3.3	35.39	32.67	29.95	27.68
739-56590-502	56590-502	CP14,71,10,L1,W4.5	68	18.7	3.9	8.6	71	30	30	30	4.7	27.89	25.74	23.59	21.81
739-430122-507	430122-507	CP2,127,06,L1,EP,W4.5	67	122.3	14.3	14.5	127	62	62	62	4.6	71.32	66.50	61.68	57.82
739-430122-520	430122-520	CP2,127,06,L1,RT,W4.5	67	122.3	14.3	14.5	127	62	62	62	4.6	71.32	66.50	61.68	57.82
739-66100-501	66100-501	CP2,127,06,L1,W4.5	67	120	14.0	15.4	127	62	62	62	4.6	91.48	85.30	79.12	74.17
739-430084-505	430084-505	CP2,31,06,L1,W4.5	67	29.3	14.0	3.5	31	30	30	30	4.6	21.65	19.98	18.31	16.93
739-56995-501	56995-501	CP2,31,10,L1,W4.5	68	18.8	9.0	3.8	31	30	30	30	5.6	37.44	34.55	31.67	29.28
739-57040-500	57040-500	CP2,71,10,L1,W4.5	67	44.2	9.0	7.9	71	43.9	43.9	43.9	5.6	65.13	60.72	56.32	52.80
739-71212-502	71212-502	CP085,127,06,L1,W4.5	66	20.2	2.7	15.3	127	30	30	30	3.6	39.13	36.48	33.84	31.72
739-56310-503	56310-503	CP10,127,06,L1,W4.5	67	25.7	3.0	15.4	127	30	30	30	3.6	25.25	23.31	21.37	19.75
739-63205-501	63205-501	CP10,127,08,L1,W4.5	67	21.4	2.5	15.4	127	30	30	30	4.0	38.03	35.10	32.17	29.74
739-63604-511	63604-511	CP10,31,08,L1,W4.5	67	5.3	2.50	3.8	31	15	15	15	4.0	23.79	21.96	20.13	18.61
739-430848-504	430848-504	CP12,161,06,L1,W4.5	67	52.2	4.8	18.3	161	39.9	39.9	39.9	3.6	35.88	33.12	30.36	28.06
739-56910-502	56910-502	CP14,127,045,L1,W4.5	65	72.0	8.5	15.4	127	40	40	40	3.3	37.92	35.36	32.80	30.74
739-56890-503	56890-503	CP14,71,045,L1,W4.5	65	38.5	8.5	8.6	71	30	30	30	3.3	33.24	30.68	28.13	26.00
739-430705-503	430705-503	CP14,71,06,L1,W4.5	67	28.7	6.0	8.6	71	30	30	30	3.8	25.64	23.67	21.70	20.06

**THERMATEC™ HT Series - High Temperature**

- Precise Temperature Control
- Continuous Operation at High Temperatures
- Power Cycling Reliability
- Strong Lead Attachment

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Part No.	Description	TMAX (°C)	QMAX (Watts)	IMAX (Amps)	VMAX (Volts)	No. of Couples	A	B	C	D	1	10	50	100
739-430138-513	430138-513	HT2, 12, F2, 3030, TA, W6	63	20	2.3	14.4	127	30	30	34	3.6	37.44	34.56	31.68	29.28
739-430139-513	430139-513	HT3, 12, F2, 3030, TA, W6	63	24	2.8	14.4	127	30	30	34	3.2	32.18	29.70	27.22	25.16
739-430140-502	430140-502	HT4, 12, F2, 3030, TA, W6	63	33	3.9	14.4	127	30	30	34	3.2	36.27	33.48	30.69	28.37
739-430028-513	430028-513	HT4, 6, F2, 2143, TA, RT, W6	64	16.4	3.8	7.2	6	21	38	43	4.1	35.30	32.58	29.86	27.60
739-430140-522	430140-522	HT4, 12, F2, 3030, TA, RT, W6	63	34.3	4.0	14.5	127	30	30	34	3.2	37.10	34.59	32.08	30.07
739-430141-510	430141-510	HT4, 12, F2, 4040, TB, RT, W6	64	33.0	3.8	14.5	127	40	40	44	4.1	48.01	44.77	41.52	38.92
739-430141-512	430141-512	HT4, 12, F2, 4040, TA, W6	64	32	3.7	14.4	127	40	40	44	4.1	42.65	39.76	36.88	34.57
739-430820-501	430820-501	HT4, 7, F2, 3030, TA, W6	67	18	3.7	8.1	71	30	30	30	4.1	32.96	30.42	27.88	25.77
739-430285-506	430285-506	HT6, 12, F2, 4040, TA, W6	63	51	6	14.4	127	40	40	44	3.6	43.57	40.62	37.68	35.32
739-430285-513	430285-513	HT6, 12, F2, 4040, TA, RT, W6	63	51.6	6.0	14.5	127	40	40	44	3.6	46.25	43.13	40.00	37.50
739-430160-502	430160-502	HT8, 12, F2, 4040, TA, W6	63	72	8.5	14.4	127	40	40	44	3.3	44.68	41.66	38.64	36.22
739-430160-504	430160-504	HT8, 12, F2, 4040, TA, RT, W6	63	72.9	8.5	14.5	127	40	40	44	3.3	47.36	44.16	40.96	38.40
739-430362-508	430362-508	HT8, 7, F2, 3030, TA, W6	63	39	8.5	8.1	71	30	30	34	3.3	43.48	40.54	37.60	35.25
739-430134-516	430134-516	HT9, 3, F2, 2525, TA, W6	66	20	9.6	3.6	31	25	25	28.7	4.9	37.00	34.50	32.00	30.00

**POLARTEC™ PT Series - Porchstyle**

- Strong Lead Attachment
- Precise Temperature Control
- Reliable Solid State Operation
- No Sound or Vibration
- DC Operation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Part No.	Description	TMAX (°C)	QMAX (Watts)	IMAX (Amps)	VMAX (Volts)	No. of Couples	A	B	C	D	1	10	50	100
739-430026-503	430026-503	PT4, 12, F2, 3030, TA, W6	65	33	3.9	14.4	127	30	30	34	3.2	32.08	29.61	27.14	25.09
739-430023-507	430023-507	PT4, 12, F2, 4040, TA, W6	67	32	3.7	14.4	127	40	40	44	4.1	41.07	38.30		