

# Thermoelectric Modules and LED Heat Sinks



## LAIRD TECHNOLOGIES THERMOELECTRIC MODULES

RoHS Compliant This product is RoHS compliant.

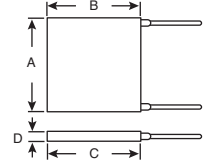
The Ceramic Plate (CP) Series of Thermoelectric Modules (TEMs) is considered 'the standard' in the thermoelectric industry. This broad product line of high-performance and highly reliable TEMs is available in numerous heat pumping capacities, geometric shapes, and input power ranges. Assembled with Bismuth Telluride semiconductor material and thermally conductive Aluminum Oxide ceramics, the CP Series is designed for higher current and large heat-pumping applications. For all CP Series modules, wire is stranded, 114 mm (4.5 in.) long and PVC insulated.

### Features:

- Precise Temperature Control
- Environmentally Friendly
- Compact Geometric Sizes
- DC Operation
- Reliable Solid State Operation
- RoHS Compliant
- No Sound or Vibration

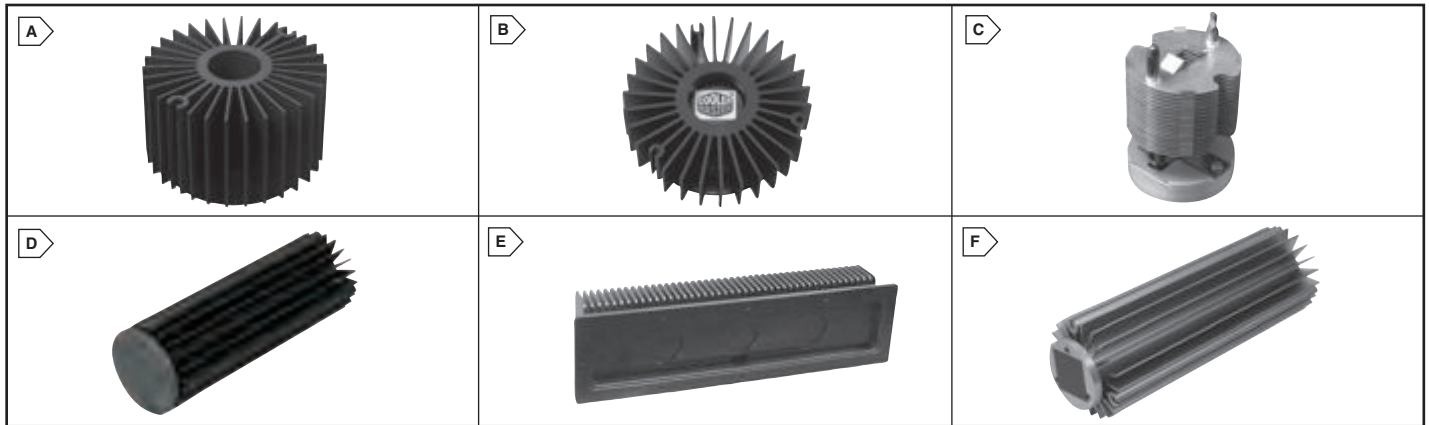
### Applications:

- Medical Lasers
- Lab Science Instrumentation
- Clinical Diagnostic Systems
- Photonics Laser Systems
- Electronic Enclosure Cooling
- Food & Beverage Cooling
- Chillers (Liquid Cooling)



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Laird Thermal Part No.	Description	Th=25°C				N	Dimensions (mm)				Price Each			
			QMAX(I <sup>2</sup> ) (Watts)	IMAX (Amps)	VMAX (Volts)	TMAX (°C)		A	B	C	D(°)	1	2	5	10
739-62910-510	62910-510	CP08,127,05,L1,W4.5	22.4	2.6	15.4	67	127	25	25	25	3.1	40.79	36.71	34.14	31.75
739-66195-505	66195-505	CP08,127,06,L1,W4.5	18.1	2.1	15.4	67	127	25	25	25	3.4	37.83	34.05	31.66	29.13
739-71035-505	71035-505	CP08,31,06,L1,W4.5	4.4	2.1	3.8	67	31	12	12	12	3.4	24.05	21.65	20.13	18.72
739-71036-505	71036-505	CP08,63,06,L1,W4.5	9.0	2.1	7.6	67	63	12	25	12	3.4	41.96	37.76	35.12	32.66
739-56460-501	56460-501	CP10,127,05,L1,W4.5	33.4	3.9	15.4	67	127	30	30	30	3.2	20.19	18.17	16.90	15.72
739-43310-502	43310-502	CP10,127,06,L1,W4.5	25.7	3.0	15.4	67	127	30	30	30	3.6	23.96	21.56	20.05	18.65
739-63202-501	63202-501	CP10,127,08,L1,W4.5	21.4	2.5	15.4	67	127	30	30	30	4.0	45.37	40.83	37.97	35.32
739-71012-506	71012-506	CP10,254,06,L1,W4.5	8.2	3.9	3.8	67	254	60	30	30	3.6	44.38	39.95	37.15	34.54
739-430801-504	430801-504	CP10,31,05,L1,W4.5	8.2	3.9	3.8	67	31	15	15	15	3.2	15.30	13.77	12.81	11.91
739-63605-500	63605-500	CP10,31,08,L1,W4.5	5.3	2.5	3.8	67	31	15	15	15	4.0	22.05	19.85	18.45	17.16
739-56430-501	56430-501	CP10,63,05,L1,W4.5	16.6	3.9	7.6	67	63	15	30	15	3.2	19.91	17.91	16.66	15.49
739-43280-503	43280-503	CP10,63,06,L1,W4.5	12.7	3.0	7.6	67	63	15	30	15	3.6	19.44	17.49	16.27	15.15
739-44910-501	44910-501	CP14,127,045,L1,W4.5	72.0	8.5	14.5	67	127	40	40	40	3.3	28.62	25.75	23.95	22.78
739-56760-505	56760-505	CP14,127,06,L1,W4.5	51.4	6.0	15.4	67	127	40	40	40	3.8	24.88	22.40	20.82	19.37
739-56610-502	56610-502	CP14,127,10,L1,W4.5	33.4	3.9	15.4	68	127	40	40	40	4.7	30.19	27.17	25.27	23.50
739-44550-501	44550-501	CP14,31,10,L1,W4.5	8.2	3.9	3.8	68	31	20	20	20	4.7	30.53	27.48	25.55	23.76
739-56860-501	56860-501	CP14,35,045,L1,W4.5	19.0	8.5	4.2	65	35	15	30	15	3.3	36.11	32.50	30.22	28.11
739-56500-501	56500-501	CP14,7,10,L1,W4.5	1.8	3.9	0.7	67	7	9.5	9.5	9.5	4.7	37.15	33.44	31.10	28.92
739-430032-501	430032-501	CP14,71,045,L1,W4.5	38.5	8.5	8.6	65	71	30	30	30	3.3	23.32	20.99	19.52	18.15
739-44740-501	44740-501	CP14,71,06,L1,W4.5	28.7	6.0	8.6	67	71	30	30	30	3.8	25.02	22.52	20.94	19.48
739-56590-502	56590-502	CP14,71,10,L1,W4.5	18.7	3.9	8.6	68	71	30	30	30	4.7	20.13	18.12	16.85	15.67
739-66100-501	66100-501	CP2,127,06,L1,W4.5	122	14.3	14.5	67	127	44	44	44	4.6	61.06	54.95	51.10	49.52
739-64979-501	64979-501	CP2,127,10,L1,W4.5	79.8	9.3	14.5	67	127	62	62	62	5.6	69.30	63.75	59.29	55.14
739-430084-505	430084-505	CP2,31,06,L1,W4.5	29.3	14.0	3.5	68	31	30	30	30	4.6	23.42	21.07	19.60	18.23
739-56995-501	56995-501	CP2,31,10,L1,W4.5	18.8	9.0	3.8	67	31	30	30	30	5.6	22.66	20.40	18.97	17.64
739-430165-501	430165-501	CP2,71,06,L1,W4.5	68.4	14.3	8.1	67	71	44	44	44	4.6	33.71	30.33	28.22	26.24



## COOLER MASTER OSRAM HEATSINKS

### Features:

- TIM: Laird T-pcm 583
- Ambient Temperature: 28°C
- Compatible for star type MCPCB
- Convection: Natural



RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Cooler Master Part No.	Fig.	LED Power (W)	Dimension (Diameter x H) (mm)	Color	Finish	Application	Price Each		
								1	50	100
794-ECC-00547-01-GP	ECC-00547-01-GP	A	10	50 x 34	Black	Anodized	Down Light 8W	4.00	3.80	3.53
794-ECB-00394-01-GP	ECB-00394-01-GP	B	4	50 x 15	Black	Anodized	Down Light 5.3W	3.50	3.32	3.16
794-ECB-00395-01-GP	ECB-00395-01-GP	C	9	50 x 71	Silver White & Copper	Nickel	Down Light 7W	7.00	6.85	6.32
794-ECB-00396-01-GP	ECB-00396-01-GP	D	10	35 x 105	Black	Painting Color	Light Engine 8W	7.25	6.89	6.54
794-ECC-00388-01-GP	ECC-00388-01-GP	E	36	218 x 58 x 45	Black	Anodized	Mini Wall Wash 36W	55.44	52.69	50.05

## COOLER MASTER LEDENGIN HEATSINKS

### Features:

- Ambient Temperature: 35°C
- Heatsink: Aluminum base and Heat Pipe
- Convection: Natural



RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Cooler Master Part No.	Fig.	LED Power (W)	Dimension (Diameter x H) (mm)	Weight (g)	LED Type	Application	Price Each		
								1	50	100
794-ECB-00529-01-GP	ECB-00529-01-GP	B	5	50 x 15	43.7	LZ1-10xx05	Down Light 5W	4.50	4.28	4.06
794-ECC-00500-01-GP	ECC-00500-01-GP	F	10	35 x 105	110	LZ4-20xx10	Light Engine 8W	9.50	9.03	8.57
794-ECC-00531-01-GP	ECC-00531-01-GP	F	15	35 x 150	165	LZ4-x0xx10/15	Light Engine 11.8W	11.50	10.93	10.38
794-ECC-00499-01-GP	ECC-00499-01-GP	F	20	35 x 200	220	LZ4-x0xx15	Light Engine 13.5W	13.25	12.59	11.96