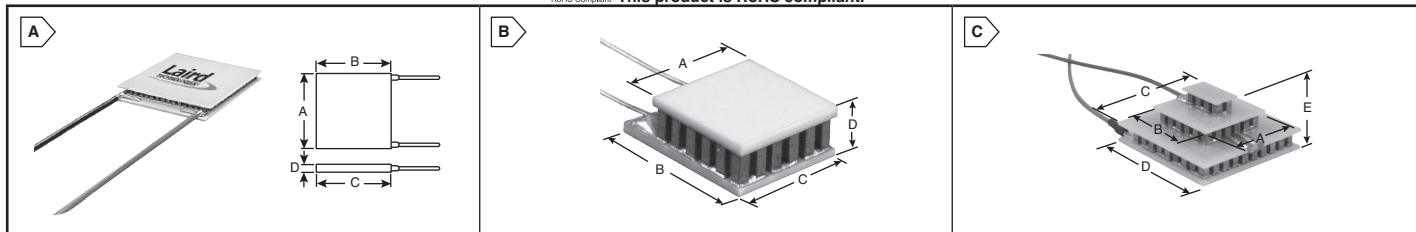


LAIRD TECHNOLOGIES Thermoelectric Modules



This product is RoHS compliant.



ZT SERIES - HIGH PERFORMANCE

- Features:**
- High temperature differential
 - Precise temperature control
 - Reliable solid state operation
 - No sound or vibration

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Thermal Part No.	Fig.	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	
ZT Series - High Perf Modules															
739-7940002-601	7940002-601	A	ZT4,12,F1,3030,TA,W8	74	35	3.9	16.4	12	30	30	3.61	3.61	44.80	40.32	
739-7950004-601	7950004-601	A	ZT4,12,F1,4040,TA,W8	74	37	3.9	15.4	12	40	40	4.8	4.80	47.08	42.84	
739-7940001-601	7940001-601	A	ZT4,7,F1,2020,TA,W8	74	18.2	3.9	8.8	7	20	20	3.61	3.61	47.80	43.49	
739-7945002-601	7945002-601	A	ZT5,16,F1,4040,TA,W8	74	62.3	5	20	16	40	40	2.71	3.71	49.20	44.28	
739-7950003-601	7950003-601	A	ZT6,12,F1,4040,TA,W8	74	55	6	15.4	12	40	40	3.91	3.91	52.30	47.07	
739-7950001-601	7950001-601	A	ZT6,7,F1,3030,TA,W8	74	31	6	8.6	7	30	30	3.91	3.91	47.50	42.75	
739-7945001-601	7945001-601	A	ZT7,16,F1,4040,TA,W8	72	83.9	6.7	20	16	40	40	3.3	3.30	52.20	46.98	
739-7950002-601	7950002-601	A	ZT8,12,F1,4040,TA,W8	72	77	8.5	15.4	12	40	40	3.81	3.81	54.40	48.96	

THERMOELECTRIC MODULES - OPTOTEC SERIES

- Features:**
- Miniature geometric sizes
 - Precise temperature control
 - Reliable solid state operation
 - No sound or vibration
 - DC operation
 - RoHS compliant
- Applications:**
- Laser diodes
 - CCD cameras
 - Infrared (IR) sensors
 - Pump lasers
 - Crystal oscillators
 - Optical transceivers



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Thermal Part No.	Fig.	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	
OptoTec Series - Mini															
739-430290-501	430290-501	B	OT08,04,F0,0203,11,W2.25	67	0.2	0.8	0.5	4	1.8	3.4	3.4	2.43	46.80	40.17	
739-45850-502	45850-502	B	OT08,08,F0,0305,11,W2.25	67	0.44	0.8	0.9	8	3.3	3.3	4.9	2.43	37.40	32.08	
739-430834-501	430834-501	B	OT08,11,F1,0305,11,W2.25	67	0.6	0.8	1.3	11	3.3	4.9	3.3	2.43	38.90	31.75	
739-430002-501	430002-501	B	OT08,18,F0,0505,11,W2.25	67	0.97	0.8	2.2	18	5.0	5.0	6.7	2.43	36.60	29.88	
739-430005-501	430005-501	B	OT08,32,F0,0707,11,W2.25	67	1.7	0.8	3.7	32	6.6	6.6	8.3	2.43	43.20	37.06	
739-430009-501	430009-501	B	OT08,66,F0,1009,11,W2.25	67	3.6	0.8	7.6	66	9.8	8.9	11.4	2.43	46.82	38.78	
739-430001-501	430001-501	B	OT12,12,F0,0406,11,W2.25	67	0.97	1.2	1.5	12	4.2	6.2	6.2	2.43	47.30	38.62	
739-430003-505	430003-505	B	OT12,18,F0,0606,11,W2.25	67	1.5	1.2	2.1	18	6.2	6.2	8.3	2.43	46.00	37.55	
739-430779-501	430779-501	B	OT12,18,F2A,0606,11,W2.25	67	1.5	1.2	2.1	18	6.0	6.2	7.2	2.43	39.90	34.21	
739-430011-501	430011-501	B	OT12,66,F0,1211,11,W2.25	67	5.4	1.2	7.5	66	12.3	11.3	14.4	2.43	58.92	48.80	
739-430274-501	430274-501	B	OT12,62,F3,1211,11,W2.25	67	5	1.2	7.1	62	6.0	7.6	6.0	2.70	79.65	65.02	
739-430007-509	430007-509	B	OT15,30,F2A,0610,11,W2.25	67	3	1.5	3.4	30	6.2	10.3	12.3	2.43	36.60	29.88	
739-430013-501	430013-501	B	OT15,66,F0,1211,11,W2.25	67	6.8	1.5	7.5	66	12.3	11.3	14.4	2.43	55.96	46.35	
739-430860-505	430860-505	B	OT16,18,F2,0606,11,W2.25	67	2.0	1.6	2.0	18	6.0	6.0	7.6	2.00	43.70	35.67	
739-430263-501	430263-501	B	OT20,12,F0,0406,11,W2.25	67	1.6	2.0	1.4	12	4.1	6.1	6.1	2.43	46.00	37.55	
739-430264-503	430264-503	B	OT20,30,F2A,0610,11,W2.25	67	4	2.0	3.6	30	6.2	10.3	12.3	2.43	38.10	31.10	
739-430010-501	430010-501	B	OT20,31,F1,0808,11,W2.25	67	4.2	2.0	3.5	31	8.1	8.1	8.1	2.43	47.38	39.24	
739-430278-507	430278-507	B	OT20,32,F0,0808,11,W2.25	67	4.4	2.0	3.7	32	8.1	8.1	10.16	2.43	47.10	40.41	
739-430265-501	430265-501	B	OT20,66,F0,1211,11,W2.25	67	9	2.0	7	66	12.19	11.18	14.22	2.43	57.53	47.66	
739-430887-301	430887-301	B	OT24,31,F1,1010,TA,W2.25	72	5.3	2.4	3.9	31	10.0	10	10	2.49	57.07	47.17	
739-430687-502	430687-502	B	ET12,65,F2A,1312,11,W2.25	67	5.31	1.2	7.4	65	13.2	12.1	13.2	2.70	61.69	51.10	
739-430701-501	430701-501	B	ET19,35,F1N,0612,11,W2.25	67	4.65	1.9	4	35	6.0	12.2	12.2	2.43	64.37	53.32	
739-430544-501	430544-501	B	ET20,24,F2A,0709,11,W2.25	67	3.3	2	2.7	24	6.6	8	10.8	1.88	55.69	46.13	
739-430581-502	430581-502	B	ET20,30,F2A,0610,11,W2.25	67	4.1	2.0	3.4	30	6.2	10.3	12.3	2.43	43.40	35.43	
739-430549-501	430549-501	B	ET20,31,F1A,0909,11,W2.25	67	4.2	2.0	3.5	31	8.79	8.79	8.79	2.43	46.73	38.70	
739-430548-502	430548-502	B	ET20,68,F1A,1313,11,W2.25	67	9.3	2	7.8	68	13.2	13.2	13.2	2.18	63.54	52.63	
739-430037-501	430037-501	B	HOT12,18,F2A,0606,11,W2.25	64	1.5	1.2	2.1	18	6.0	6.2	7.1	2.43	49.80	40.66	
739-430104-501	430104-501	B	HOT12,65,F2A,1312,11,W2.25	67	5.31	1.2	7.4	65	13.16	12.14	13.16	2.43	54.67	45.28	
739-430039-501	430039-501	B	HOT20,31,F2A,0909,11,W2.25	64	4.2	2.0	3.5	31	8.79	8.8	10.97	2.43	47.00	40.33	
739-430040-501	430040-501	B	HOT20,65,F2A,1312,11,W2.25	67	8.79	2.0	7.4	65	13.16	12.14	13.16	2.43	62.61	51.86	

THERMOELECTRIC MODULES - MS SERIES

- Features:**
- High temperature differential
 - Precise temperature control
 - Reliable solid state operation
 - Environmentally friendly
 - DC operation
 - RoHS compliant
- Applications:**
- CCD cameras
 - Electron microscope
 - Calibration equipment
 - Photonics laser systems
 - Gas analyzers
 - Infrared (IR) Sensors
 - Guidance Systems

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Laird Thermal Part No.	Fig.	Description	Th=25°C				Dimensions: (mm)					Price Each		
				TMAX (°C)	QMAX (Watts)	IMAX (Amps)	VMAX (Volts)	A	B	C	D	E	1	10	
MS Series - Multistage TEM															
739-9320002-301	9320002-301	C	MS2,024,06,06,11,11,11,W2	92	0.81	1.1	2.2	4.1	4.1	6.1	6.1	4.6	170.05	136.04	
739-9340001-301	9340001-301	C	MS2,049,10,10,15,15,11,W8	87	3.4	2.1	3.8	11.5	11.5	15	15	6.6	102.53	93.29	
739-9340002-301	9340002-301	C	MS2,107,10,10,12,12,11,W8	89	9.2	3	9.2	22.6	22.6	22.6	22.6	6.25	111.17	102.27	
739-9340003-301	9340003-301	C	MS2,190,10,10,12,12,11,W8	87	16.4	2.8	15.7	30	30	30	30	6.5	144.95	133.35	
739-9350006-301	9350006-301	C	MS2,192,14,20,11,18,11,W8	87	39.9	6.7	15.6	40	40	40	40	8.1	147.95	139.06	
739-9350007-301	9350007-301	C	MS2,192,14,20,15,25,11,W8	88	27.3	4.4	16	40	40	40	40	8.1	158.95	149.40	
739-9360001-301	9360001-301	C	MS3,070,20,25,11,W8	118	3	6.5	6.5	14	8	36	36	16	320.14	291.32	
739-9350004-301	9350004-301	C	MS3,119,14,15,11,W8	100	7.5	3.9	8	15	15	30	30	10.4	209.37	190.52	
739-9360002-301	9360002-301	C	MS3,119,20,15,11,W8	100	14.9	8	8.2	22	22	44	44	12.9	296.73	270.21	
739-9340005-301	9340005-301	C	MS4,129,10,15,11,W8	115	1.9	1.8	8.2	8	8	23	23	12.5	295.03	274.37	
739-9340006-301	9340006-301	C	MS5,257,10,15,11,W8	123	2	1.5	14.5	8	8	30	30	15.4	407.08	386.71	



Thermoelectrics Laird Technologies