

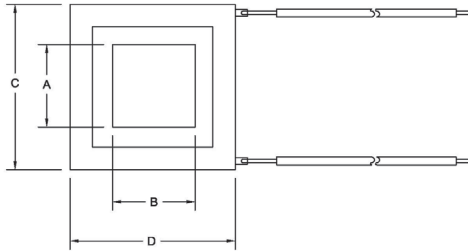
# Thermoelectric MODULES

## Multi-stage

- Designed for large temperature differential applications
- Custom designs available to meet unique attribute requirements
- Ideal for CCD cameras, IR Detectors and Industrial Sensing Instrumentation



Typical Multistage Module



PART NO.	QMAX <sup>(1)</sup> (WATTS)	IMAX (AMPS)	VMAX (VOLTS)	ΔTMAX (°C)	DIM A (mm)	DIM B (mm)	DIM C (mm)	DIM D (mm)	DIM E (mm)
MS2,010,06,06,11,11,11,W2	0.35	1.1	0.9	92	3.2	3.2	3.9	3.9	4.4
MS2,024,06,06,11,11,11,W2	0.81	1.1	2.2	92	4.1	4.1	6.1	6.1	4.8
MS2,049,10,10,15,15,11,W8	3.4	2.1	3.8	87	11.5	11.5	15	15	6.8
MS2,049,14,14,15,15,11,W8	6.6	4	3.8	87	15	15	20	20	7.4
MS2,051,22,22,25,25,11,W8	10.5	5.7	3.5	76	26	26	30	30	10.9
MS2,065,04,04,11,11,11,W8	1.1	0.5	5.5	82	12.0	4.0	14.0	6.0	4.7
MS2,068,14,14,15,15,11,W8	8.4	5	6.2	92	14.7	14.7	24	24	7.9
MS2,083,05,05,13,13,11,W8	1.1	0.6	6.9	90	4.9	4.9	10	10	4.6
MS2,094,10,10,13,13,11,W8	7.6	2.9	7.5	85	7.2	30	15	30	6.1
MS2,102,14,14,17,17,11,W8	12.1	4.3	8.2	87	20	20	30	30	7.5
MS2,102,22,22,17,17,11,W8	29	10.3	7.87	87	30	30	44	44	9.1
MS2,107,10,10,12,12,11,W8	9.2	3	9.2	89	23	23	23	23	6.4
MS2,190,10,10,12,12,11,W8	16.4	2.8	15.7	87	30	30	30	30	6.7
MS2,190,10,13,08,20,11,W8	16.4	2.8	15.6	87	30	30	30	30	6.6
MS2,192,14,20,11,18,11,W8	40	6.7	15.6	87	40	40	40	40	8.1
MS2,192,14,20,15,25,11,W8	27	4.4	16	88	40	40	40	40	8.3
MS3,052,10,17,11,W8	1.4	1.8	3.3	99	7.2	7.2	15	15	9.8
MS3,070,20,25,11,W8	3.0	6.5	6.5	118	8	14	36	36	16.2
MS3,119,14,15,11,W8	7.5	3.9	8	100	15	15	30	30	10.4
MS3,119,20,15,11,W8	14.9	8	8.2	100	22	22	44	44	13.1
MS3,231,10,15,11,W8	6.9	1.9	15.5	104	15	15	30	30	9.5
MS4,108,10,20,11,W8	1.1	1.5	7.87	110	7.1	7.1	18	24	14.6
MS4,115,14,15,11,W8	2.6	3.5	7.6	122	4.5	14.5	24	33	14
MS4,129,10,15,11,W8	1.9	1.8	8.2	115	8.0	8.0	23	23	12.7
MS5,257,10,15,11,W8	2.0	1.5	14.5	123	8.0	8.0	30	30	15.6