

Customer

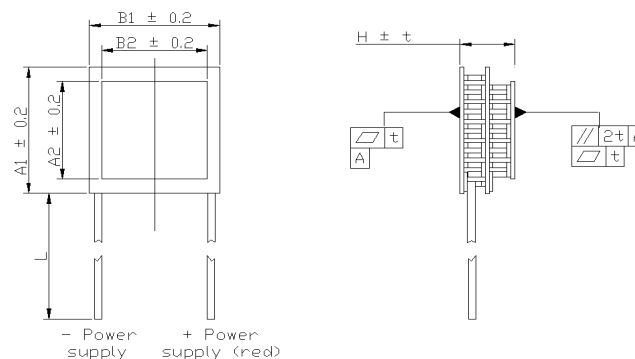
PO#

PO date

Thermoelectric module (TM) specification

| PO position # | TM | Internal Solder Melting Temp, C | Max operating temperature, °C | | Parameters in vacuum at hot side temperature 25 °C | | | | Rac at 25 °C | | Ceramic size, mm | | TM Height | | Wire | | | Sealing | |
|---------------|--|---------------------------------|-------------------------------|----------------------|--|---------|---------|----------|--------------|----------------|------------------|-----------|------------|-------------------|----------|------------|-----------------|---------|--|
| | | | short time | continuous operation | Imax, A | Umax, V | Qmax, W | dTmax, K | Rac, Ohm | Tolerance ±, % | A1/A2 | B1/B2 | Height, mm | Tolerance t, ± mm | S, AWG # | Length, mm | Tolerance ±, mm | | |
| | | | | | | | | | | | | | | | | | | | |
| 1 | 2-107-10-12-L2 | 138 | 130 | 115 | 3.7 | 9.9 | 9.1 | 98 | 2.78 | 10 | 22.6/22.6 | 22.6/22.6 | 6.25 | 0.02 | 24 | 200 | 5 | | |
| | | | | | | | | | | | | | | | PVC | | | | |
| | ceramics type: hot side & intermediate - AlN; cold side - AlO96% | | | | | | | | | | | | | | | | | | |
| 2 | 2-107-10-12-Mch | 138 | 130 | 115 | 3.7 | 9.9 | 9.1 | 98 | 2.78 | 10 | 22.6/22.6 | 22.6/22.6 | 6.6 | 0.2 | 24 | 200 | 5 | | |
| | metalized cold and hot sides | | | | | | | | | | | | | | | | | | |
| | ceramics type: hot side & intermediate - AlN; cold side - AlO96% | | | | | | | | | | | | | | | | | | |

Clamping force: 3.7 - 7.5 kg



Max dT is reduced by 3-4K for silicon sealed and 2-3K for epoxy sealed versions.

