

Crystal LTD TM SPEC Form

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Customer

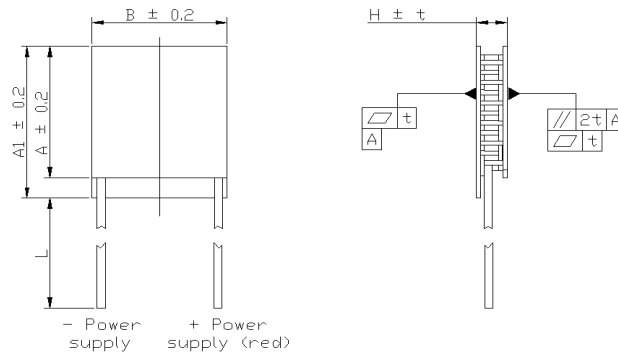
PO#

PO date

Thermoelectric module (TM) specification

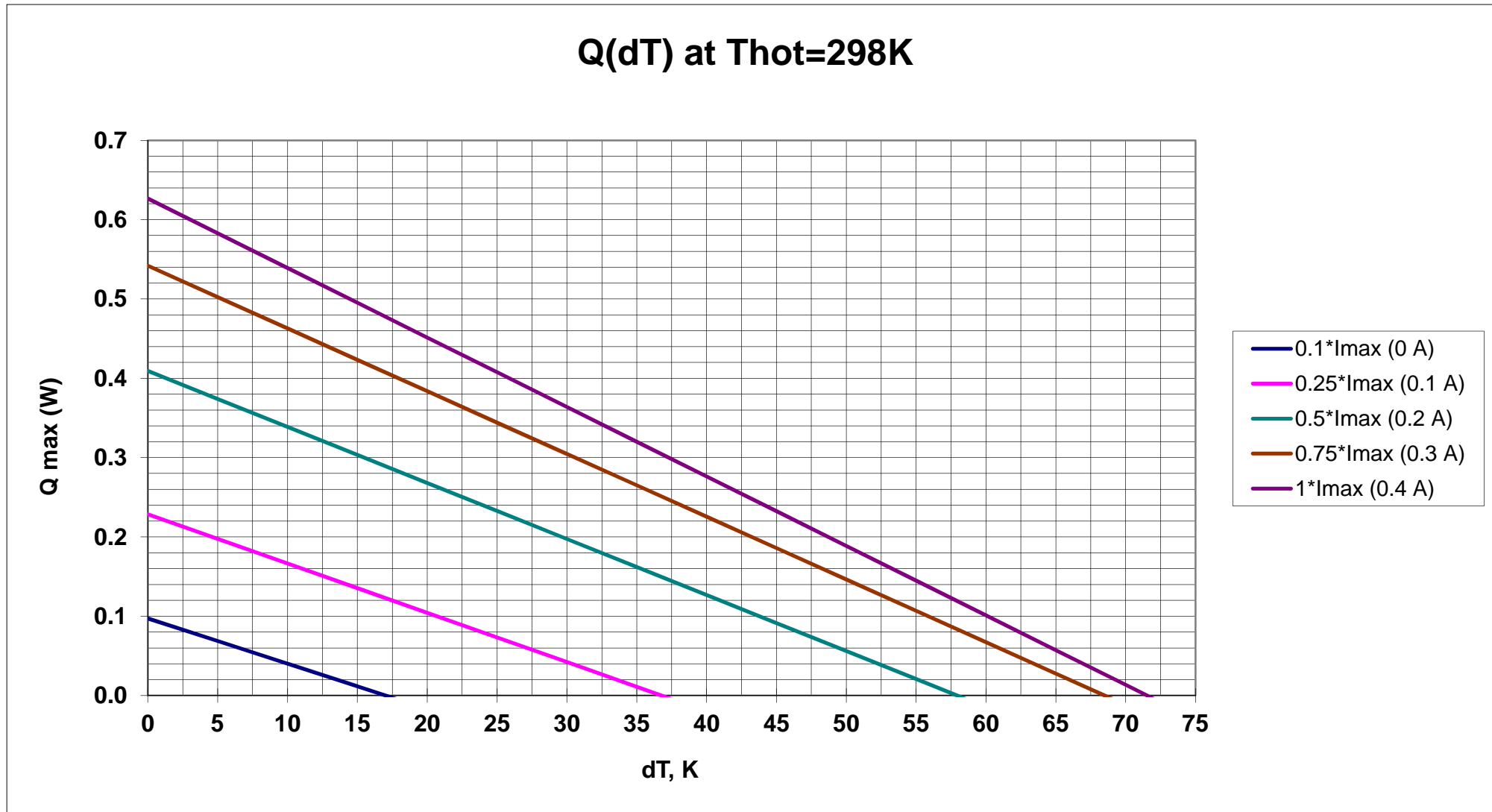
| PO position # | TM | Internal Solder Melting Temp, C | Max operating temperature, °C | | Hot side temperature 25 °C | | | | Rac at 25 °C | | Ceramic size, mm | | TM Height | | Wire | | | Sealing |
|---------------|-------------|---------------------------------|-------------------------------|-----------|----------------------------|---------|---------|----------|--------------|----------------|------------------|-----|------------|-------------------|--------------------------|------------|-----------------|---------|
| | | | short time | long time | Imax, A | Umax, V | Qmax, W | dTmax, K | Rac, Ohm | Tolerance ±, % | A/A1 | B | Height, mm | Tolerance t, ± mm | S, AWG # | Length, mm | Tolerance ±, mm | |
| | | | | | | | | | | | | | | | | | | |
| 1 | S-018-03-09 | 138 | 130 | 115 | 0.44 | 2.29 | 0.63 | 71.5 | 3.95 | 10 | 3.5/4.5 | 3.5 | 2.05 | 0.2 | 30 | 100 | 5 | |
| | | | | | | | | | | | | | | | single solid uninsulated | | | |
| | | | | | | | | | | | | | | | | | | |
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Clamping force: 0.2 - 0.4 kg



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Max dT is reduced by 2-3K for silicon sealed and 1-2K for epoxy sealed versions.



U(dT) at $T_{hot}=298K$

