

Crystal LTD TM SPEC Form

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Customer

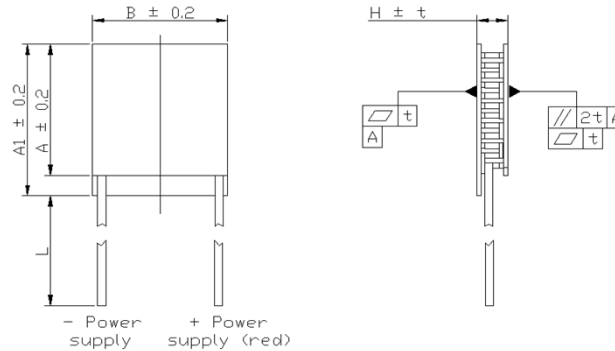
PO#

PO date

Thermoelectric module (TM) specification

| PO position # | TM | Internal Solder Melting Temp, C | Max operating temperature, °C | | Parameters in vacuum at hot side temperature 25 °C | | | | Rac at 25 °C | | Ceramic size, mm | | TM Height | | Wire | | | Sealing |
|---------------|----------------|---------------------------------|-------------------------------|----------------------|--|----------------------|----------------------|-----------------------|--------------|----------------|------------------|----|------------|-------------------|---------------|------------|-----------------|---------|
| | | | short time | continuous operation | I _{max} , A | U _{max} , V | Q _{max} , W | dT _{max} , K | Rac, Ohm | Tolerance ±, % | A/A1 | B | Height, mm | Tolerance t, ± mm | S, AWG # | Length, mm | Tolerance ±, mm | |
| 1 | S-031-10-20-L2 | 138 | 130 | 115 | 2.2 | 3.9 | 5.5 | 75.0 | 1.33 | 10 | 15/15 | 15 | 4.30 | 0.02 | 24 | 100 | 5 | |
| | | | | | | | | | | | | | | | PVC insulated | | | |
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Clamping force: 3.7 - 7.5 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 $T_{hot}=298K$

