

Crystal LTD TM SPEC Form

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Customer

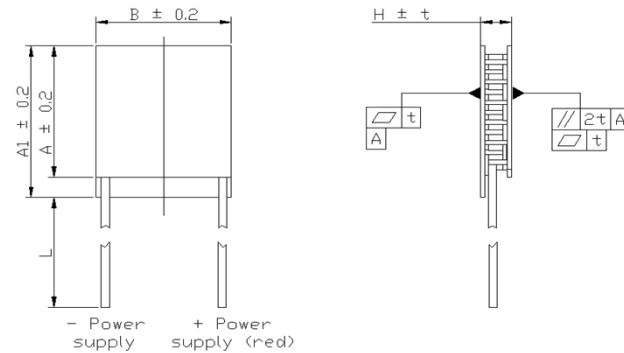
PO#

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-199-14-11-L2	138	130	115	7.9	25.3	124.2	72.5	2.43	10	40/40	40	3.80	0.02	20	100	5		

Clamping force: 47.1 - 94.2 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 $T_{hot}=298K$

