

Crystal LTD TM SPEC Form

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Customer

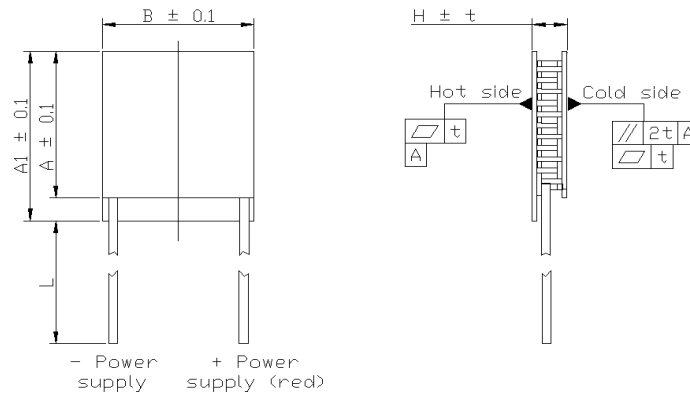
PO#

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 peak	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-127-07-20	138	130	115	1.1	16.2	10.7	75.5	11.44	10	20/20	20	3.50	0.2	30	100	1	
															solid tinned uninsulated			

Clamping force: 7.5 - 15.0 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 $T_{hot}=298K$

