

Crystal LTD TM SPEC Form

[www.crystalltherm.com](http://www.crystalltherm.com)

Customer

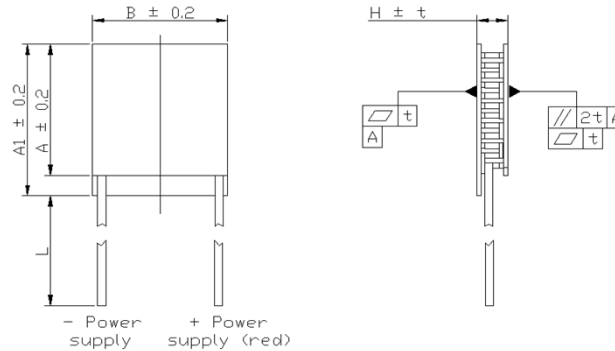
PO#

PO date

Thermoelectric module (TM) specification

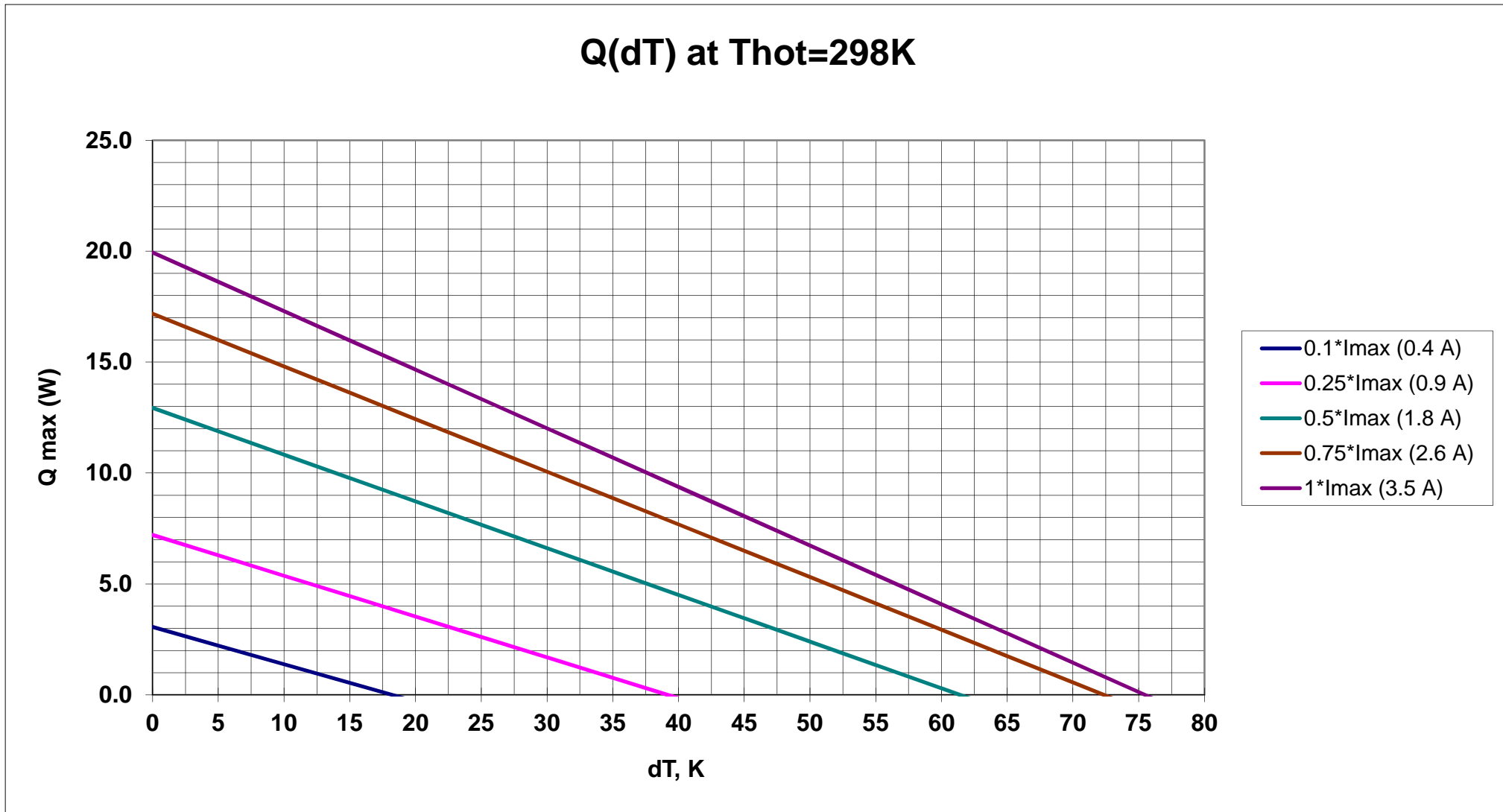
PO position #	TM	Internal Solder Melting Temp, C	Max operating temperature, °C		Parameters in vacuum at hot side temperature 25 °C				Rac at 25 °C		Ceramic size, mm		TM Height		Wire			Sealing
			short time	continuous operation	I <sub>max</sub> , A	U <sub>max</sub> , V	Q <sub>max</sub> , W	dT <sub>max</sub> , K	Rac, Ohm	Tolerance ±, %	A/A1	B	Height, mm	Tolerance t, ± mm	S, AWG #	Length, mm	Tolerance ±, mm	
1	S-071-14-25-L2	138	130	115	3.5	9.0	19.9	75.5	1.92	10	30/30	30	4.80	0.02	22	100	5	
					at Thot 50 °C													
					3.3	9.8	20.2	85.8	2.21	10								PVC insulated
																		length can be made upon request

Clamping force: 16.8 - 33.6 kg



[www.crystalltherm.com](http://www.crystalltherm.com)

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



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

