

Crystal LTD TM SPEC Form

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Customer

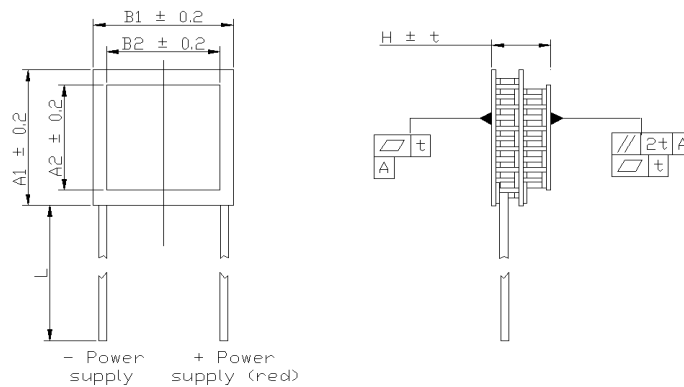
PO#

PO date

Thermoelectric module (TM) specification

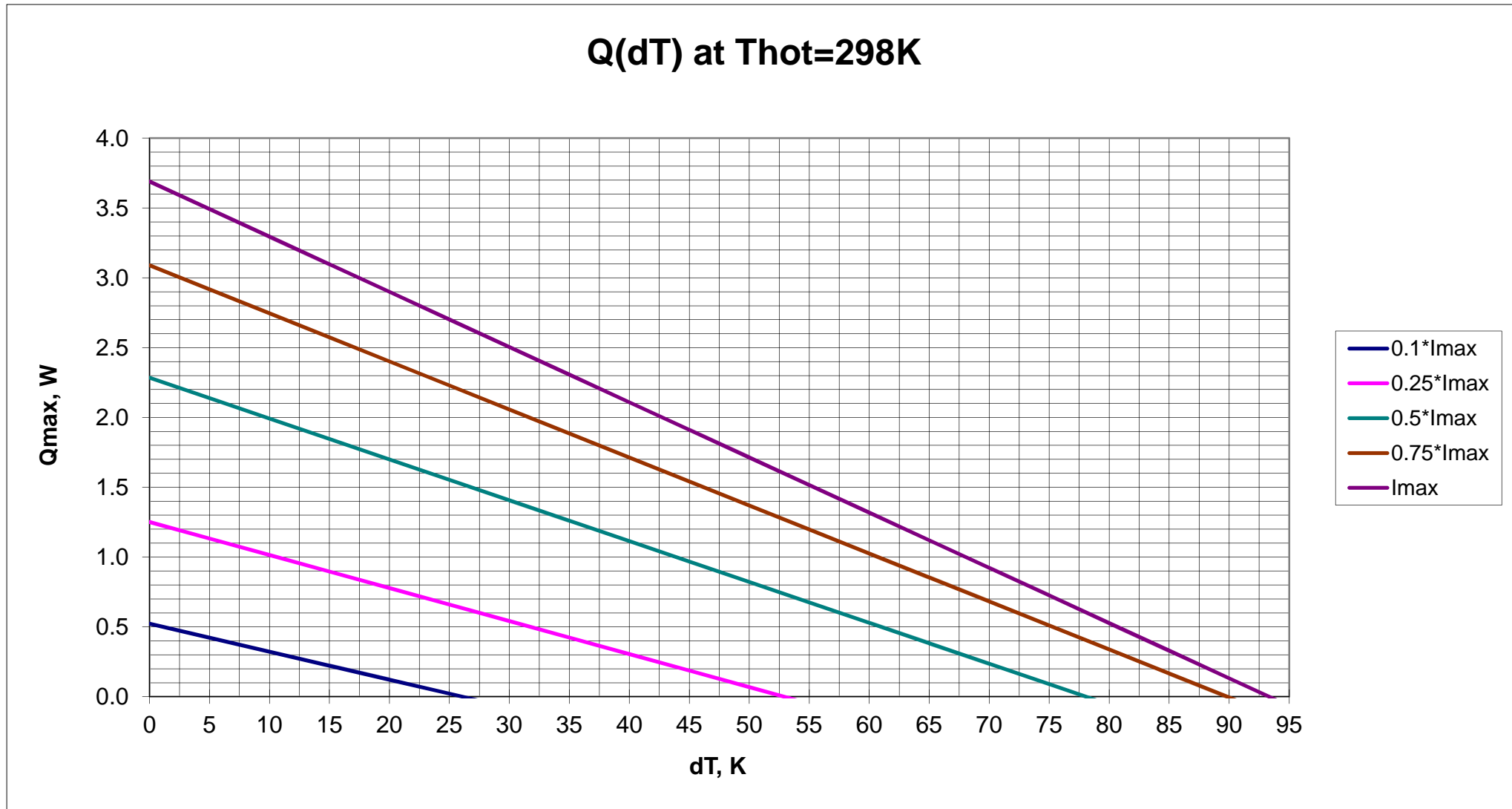
PO position #	TM	Internal Solder Melting Temp, C	Max operating temperature, °C		Parameters in vacuum at hot side temperature 25 °C				Rac at 25 °C		Ceramic size, mm		TM Height		Wire			Sealing
			short peak	continuous operation	Imax, A	Umax, V	Qmax, W	dTmax, K	Rac, Ohm	Tolerance ±, %	A1/A2	B1/B2	Height, mm	Tolerance t, ± mm	S, AWG #	Length, mm	Tolerance ±, mm	
1	2-049-10-15-L2	138	130	115	2.5	4.1	3.7	93	1.58	10	15/11.5	15/11.5	6.60	0.02	24	100	5	
															PVC			

Clamping force: 2.1 - 4.1 kg

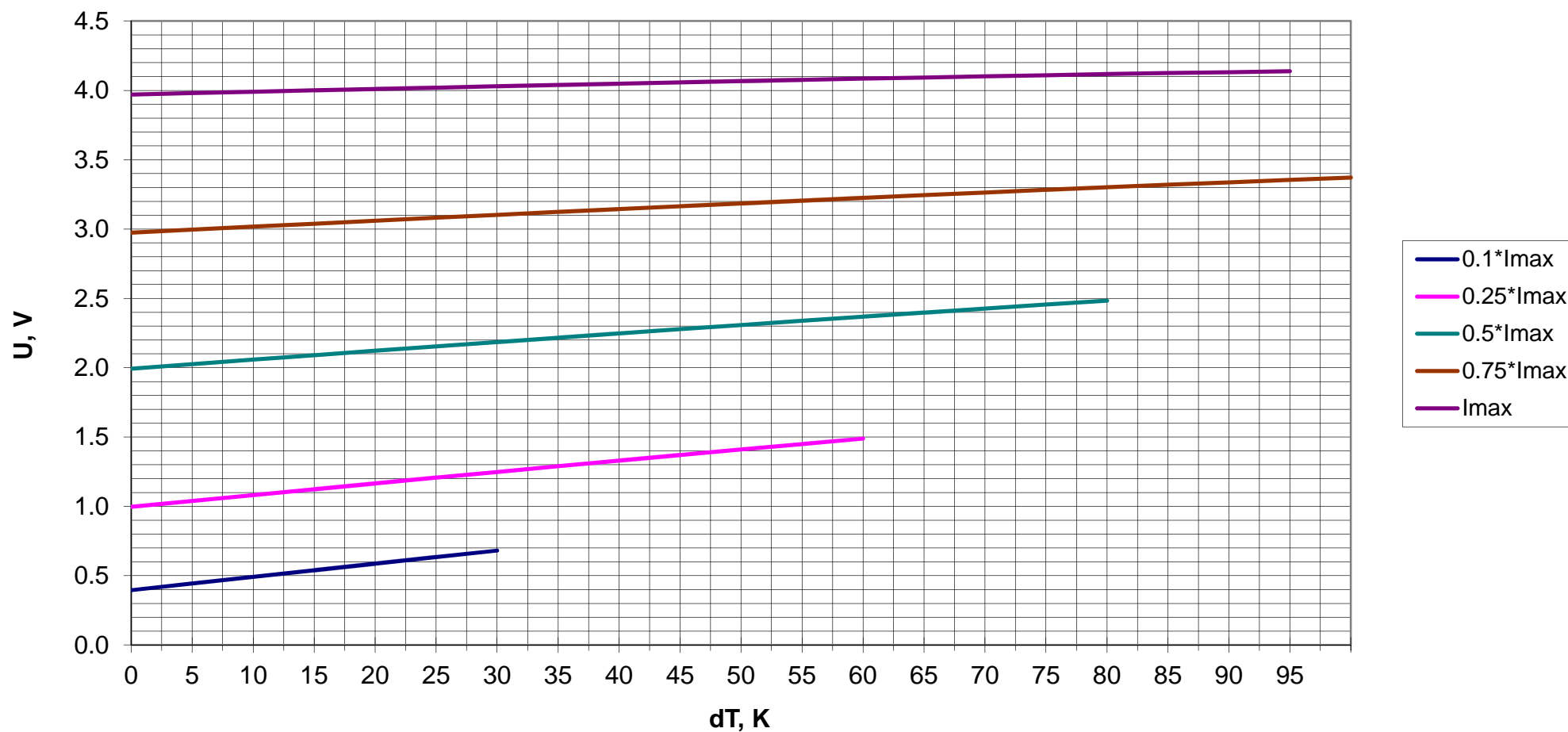


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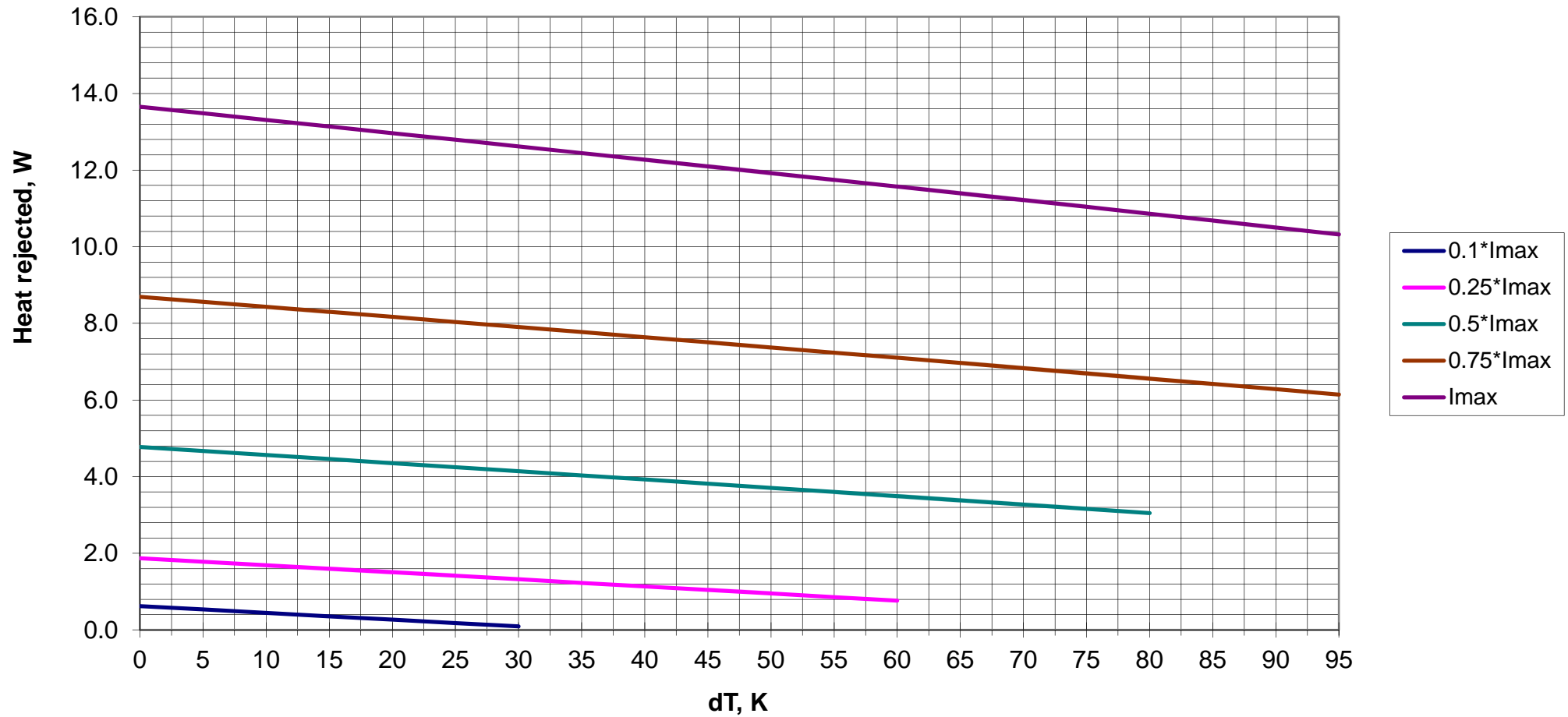
Max dT is reduced by 2-3K for silicon sealed and 1-2K for epoxy sealed versions.



Voltage vs dT at Thot=298K



Heat rejected vs dT at $T_{hot}=298K$



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

