

Crystal LTD TM SPEC Form

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Customer

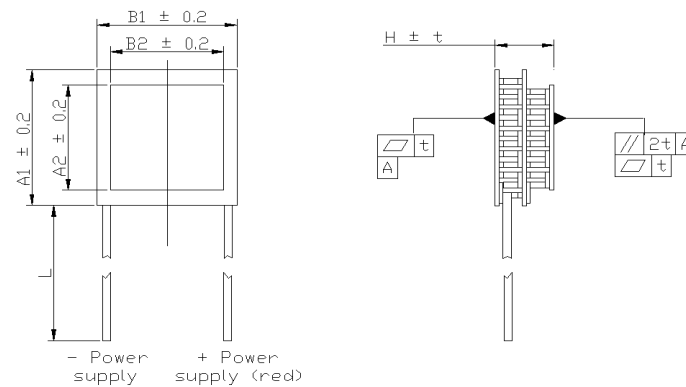
PO#

PO date

Thermoelectric module (TM) specification

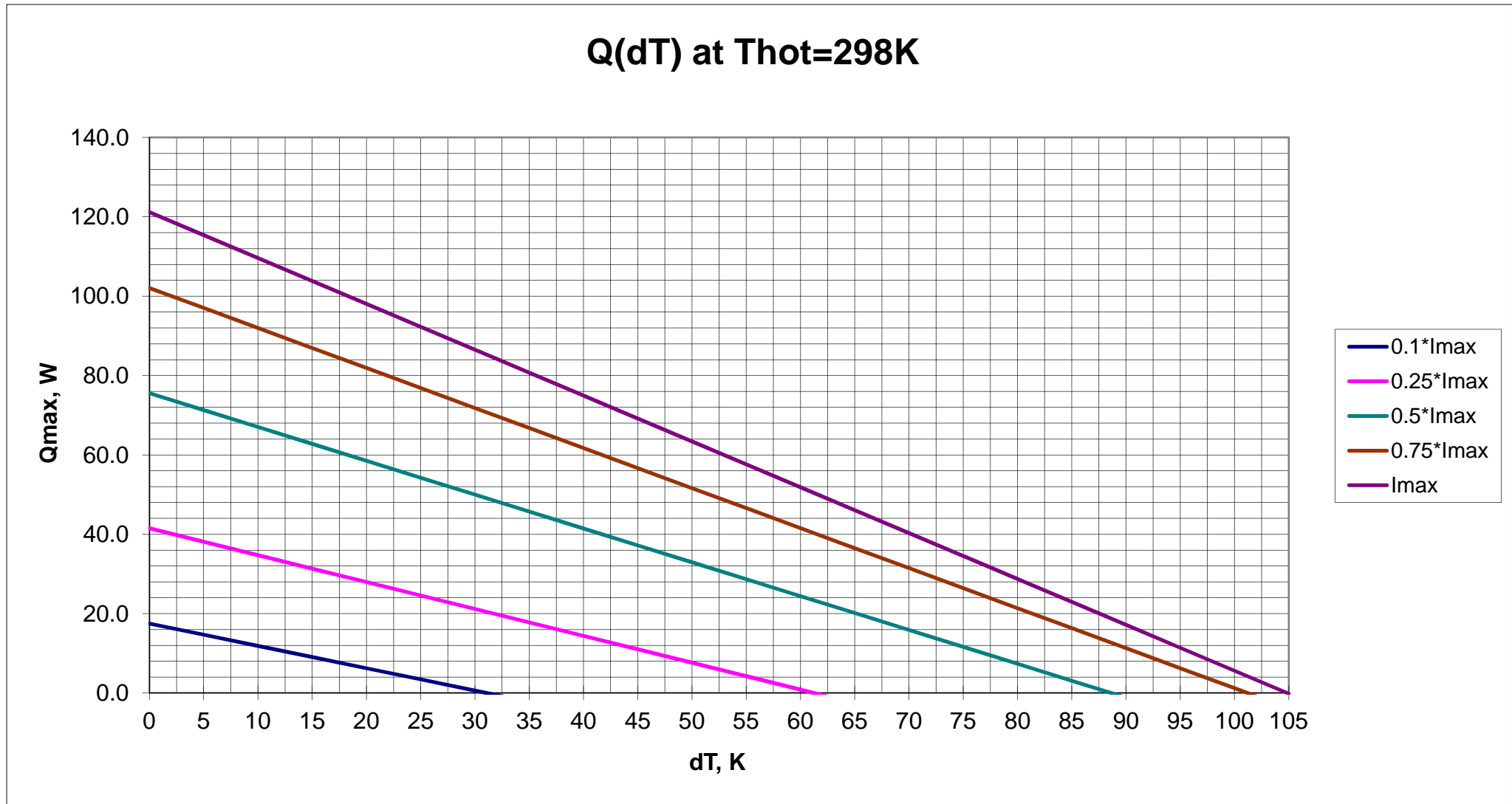
PO position #	TM	Internal Solder Melting Temp, C	Max operating temperature, °C		Parameters in vacuum at hot side temperature 25 °C				Rac at 25 °C		Ceramic size, mm		TM Height		Wire			Sealing
			short peak	continuous operation	I _{max} , A	U _{max} , V	Q _{max} , W	dT _{max} , K	Rac, Ohm	Tolerance ±, %	A1/A2	B1/B2	Height, mm	Tolerance t, ± mm	S, AWG #	Length, mm	Tolerance ±, mm	
1	2-271-20216-10-L2	138	130	115	19.8	26.1	121.2	105	1.29	10	49/37	49/37	7.25	0.02	18	100	5	
	AIN version														PVC			
	lamel version														soldered on external lamels (tabs)			

Clamping force: 40.5 - 81.1 kg

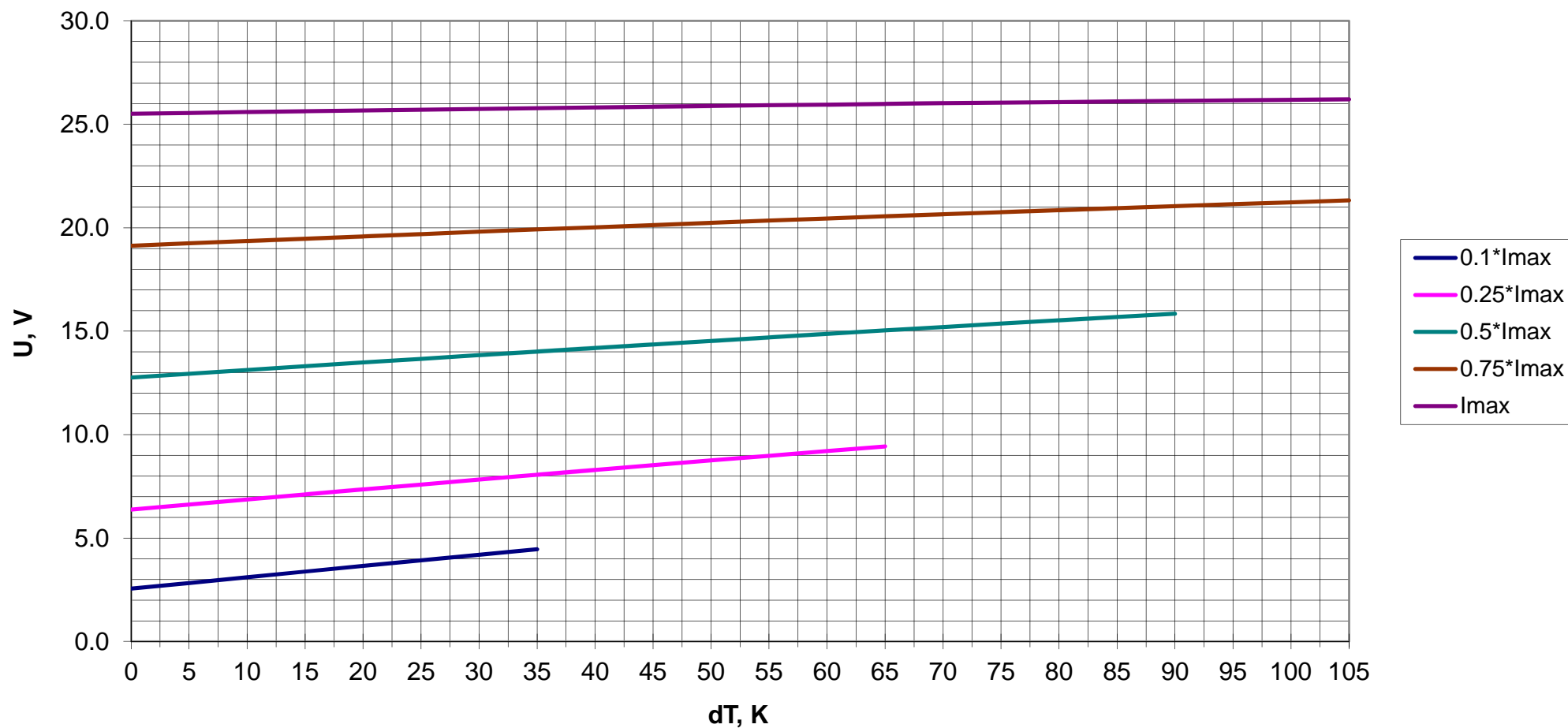


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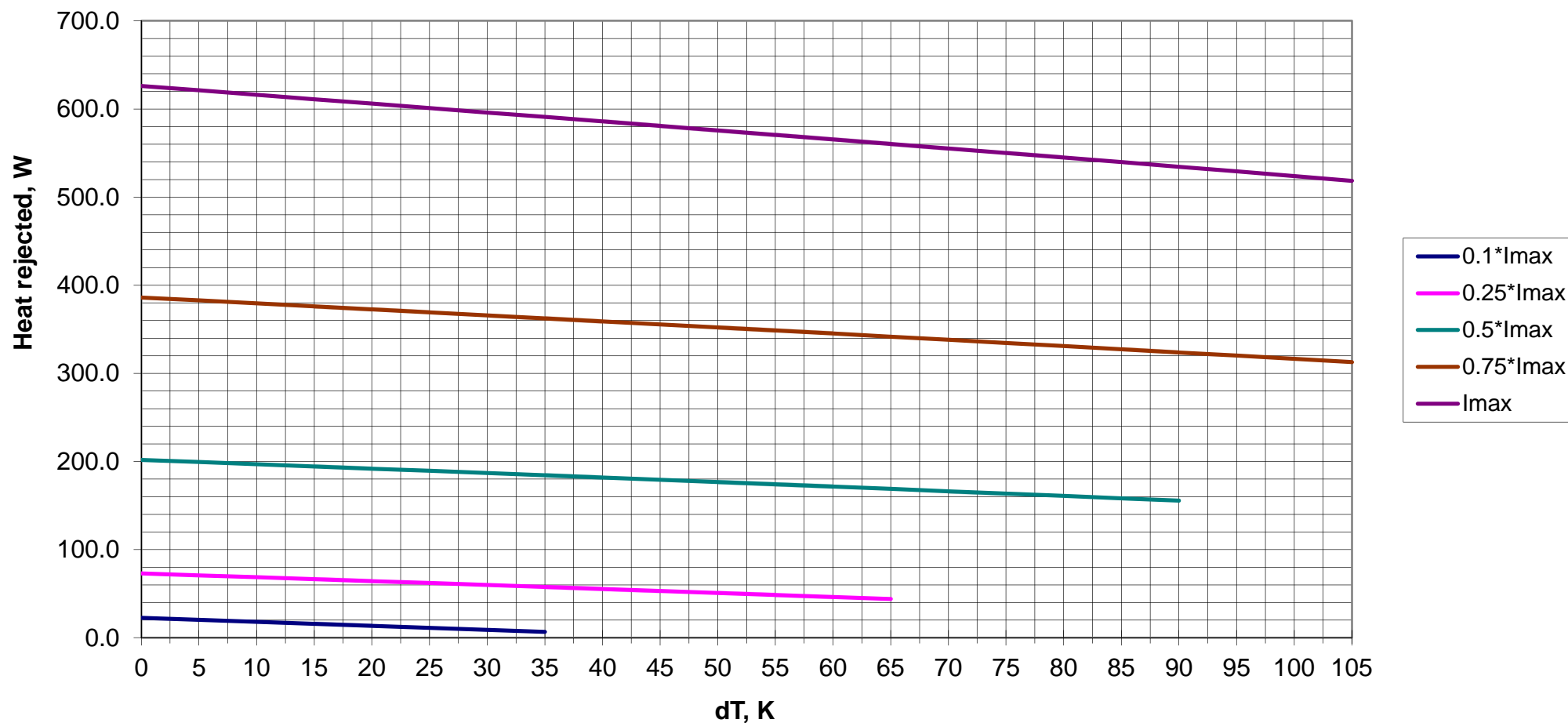
Max dT is reduced by 2-3K for silicon sealed and 1-2K for epoxy sealed versions.



Voltage vs dT at $T_{hot}=298K$



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



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

