

Crystal LTD TM SPEC Form

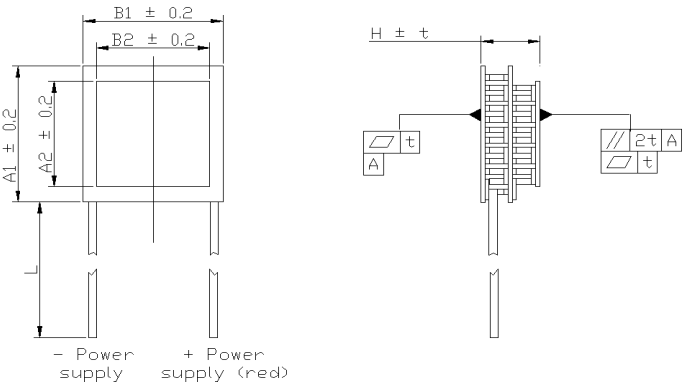
Customer

PO#
PO date

Thermoelectric module (TM) specification

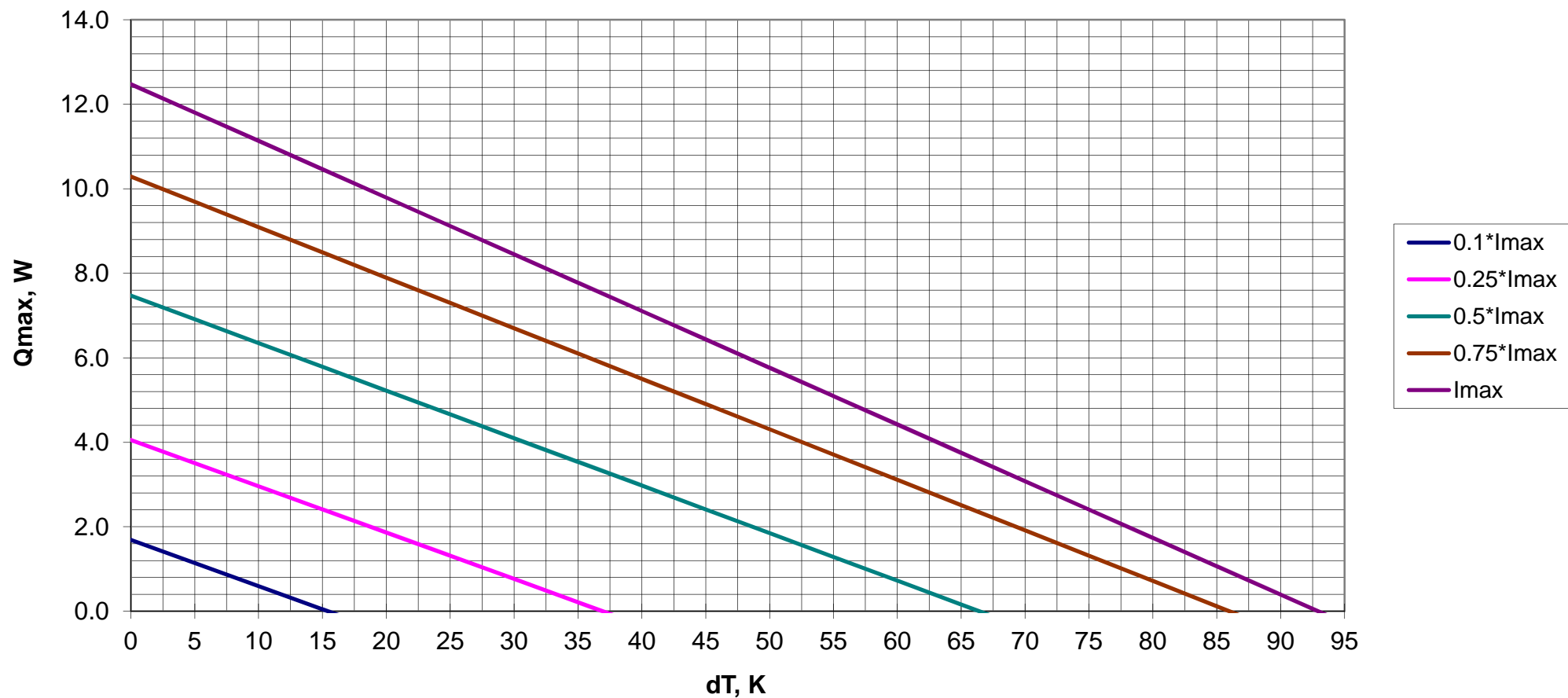
PO position #	TM	Internal Solder Melting Temp, C	Max operating temperature, °C		Parameters in vacuum at hot side temperature 25 °C				Rac at 25 °C		Ceramic size, mm		TM Height		Wire			Sealing
			short time	continuous	I _{max} , A	U _{max} , V	Q _{max} , W	dT _{max} , K	Rac, Ohm	Tolerance ±, %	A1/A2	B1/B2	Height, mm	Tolerance t, ± mm	S, AWG #	Length, mm	Tolerance ±, mm	
1	2-049-1420-1118-L2	138	130	115	7.6	4.1	12.5	93	0.55	10	20/15	20/15	8.10	0.02	20	100	5	
															PVC insulated			

Clamping force: 8.7 - 17.4 kg

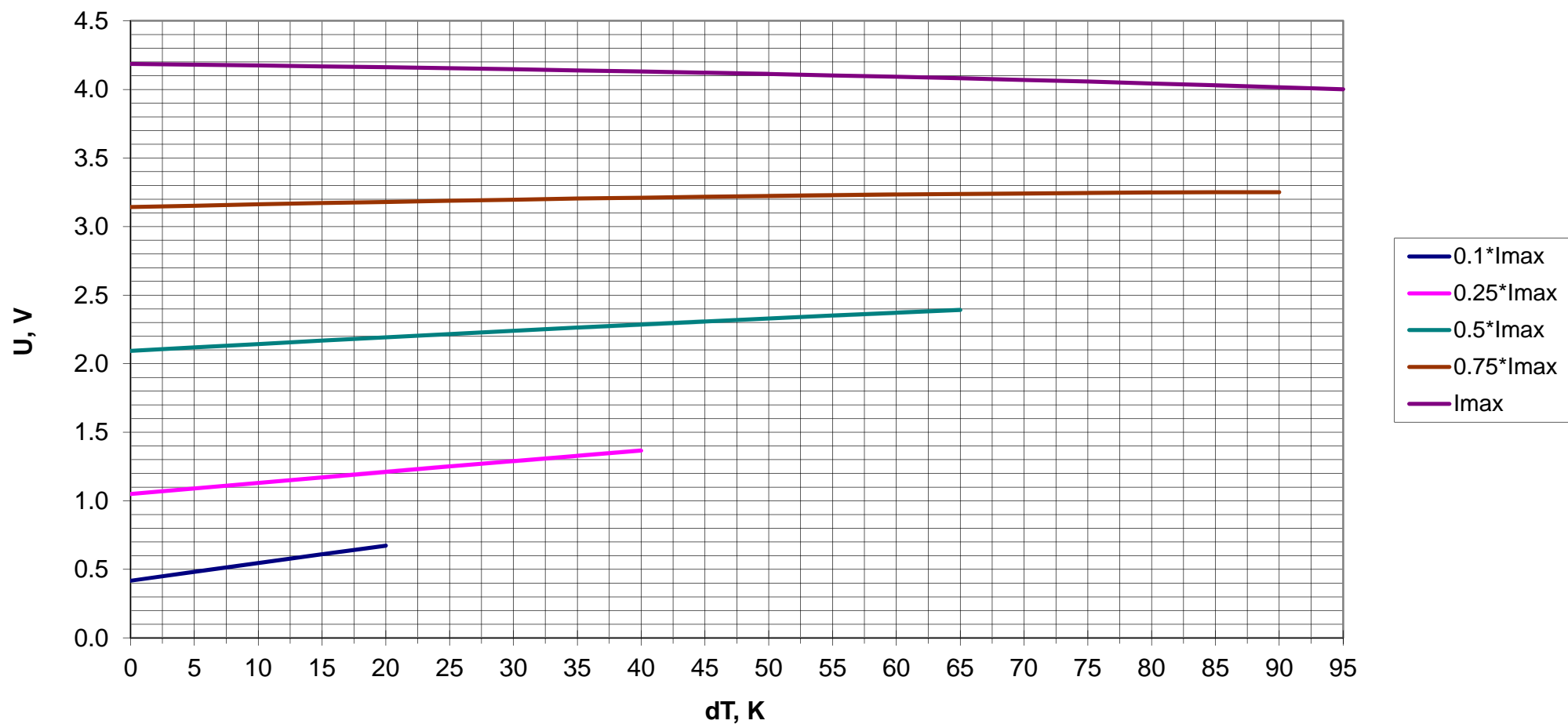


Max dT is reduced by 2-3K for silicon sealed and 1-2K for epoxy sealed versions.

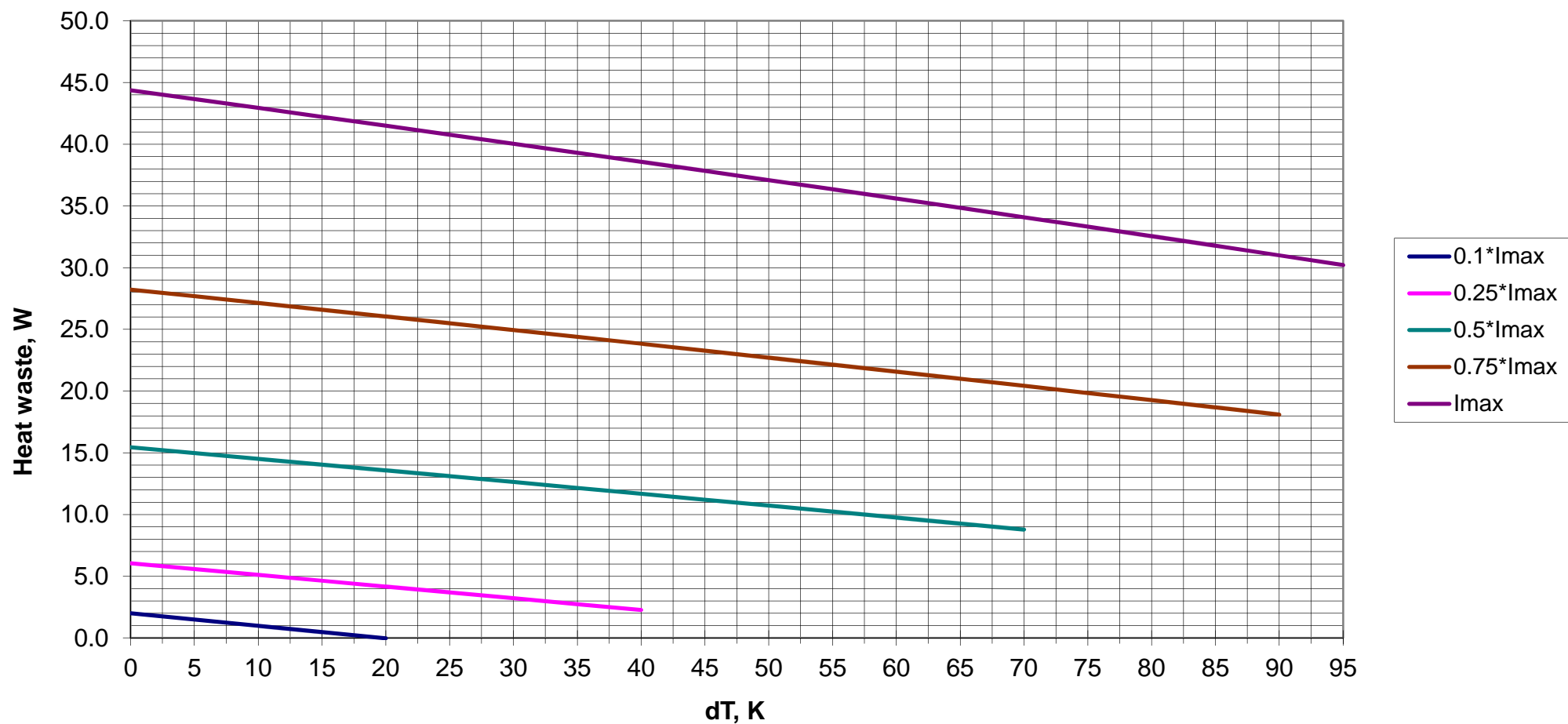
Q(dT) at $T_{hot}=298K$



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



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



COP(dT) at Thot=298K

