

Crystal LTD TM SPEC Form 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 _{max} , A	U _{max} , V	Q _{max} , W	dT _{max} , K	Rac, Ohm	Tolerance ±, %	A/A1	B	Height, mm	Tolerance ±, mm	S, AWG #	Length, mm	Tolerance ±, mm	
1	S-127-20-15-L2	138	130	115	12.1	16.2	122.5	74.5	1.00	10	55/55	55	4.60	0.02	20	100	5	
															PVC insulated			

Clamping force: 61.3 - 122.6 kg

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



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





