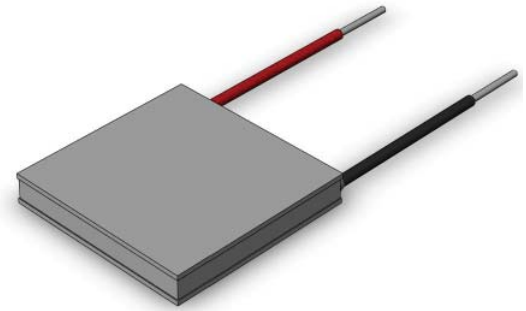
PART NUMBER: CP30338 **DESCRIPTION: PELTIER MODULE**

FEATURES

- solid state device
- small and lightweight
- precise temperature control
- quiet operation
- RoHS compliant



RoHS

INPUT

parameter	conditions/description	min	nom	max	units
resistance	measured by AC 4-terminal method at 25˚C	3.6	4.0	4.4	Ω
current	maximum current at ΔTmax			3	A
voltage	maximum voltage at ΔTmax			15.4	V

OUTPUT

parameter	conditions/description	min	nom	max	units
Qmax[1]	Th = 27˚C Th = 50˚C			27 30.1	W W
ΔTmax[2]	Th = 27˚C Th = 50˚C			66 72	˚C ˚C

Notes: 1. Maximum cooling capacity at Imax, Vmax, and ΔT = 0˚C
2. Maximum temperature difference at Imax, Vmax, Q = 0 W (maximum parameters are measured in a vacuum)

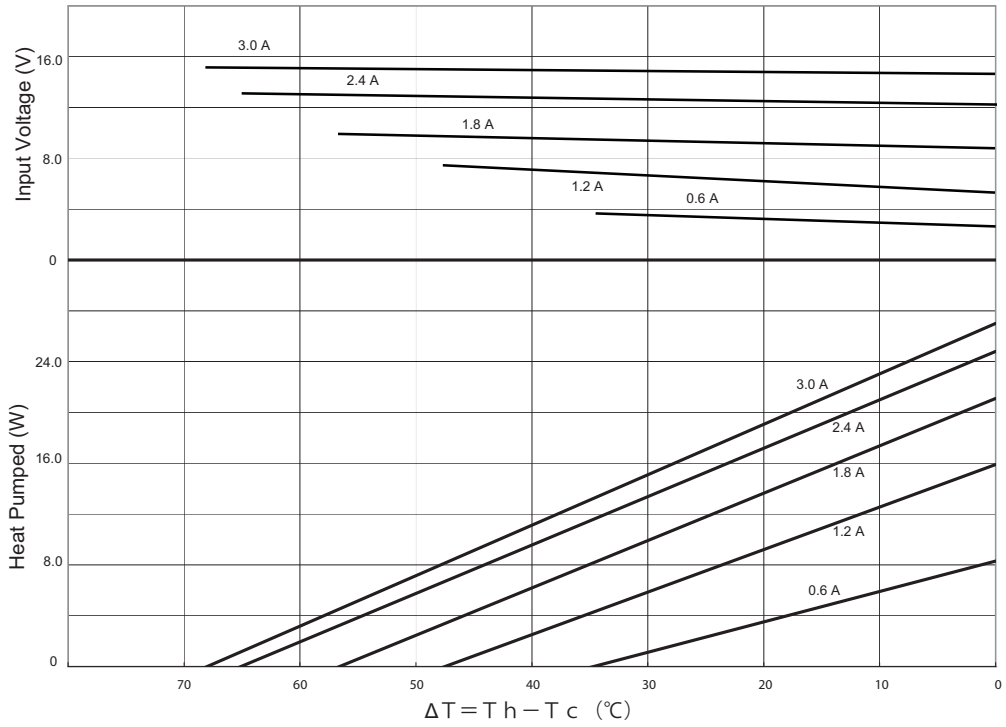
GENERAL

parameter	conditions/description	min	nom	max	units
solder melting temperature	connection between thermoelectric pairs			138	˚C
assembly compression				98.07 10	N/cm^2 kgf/cm^2
hot side plate				90	˚C
MTBF				200,000	hours

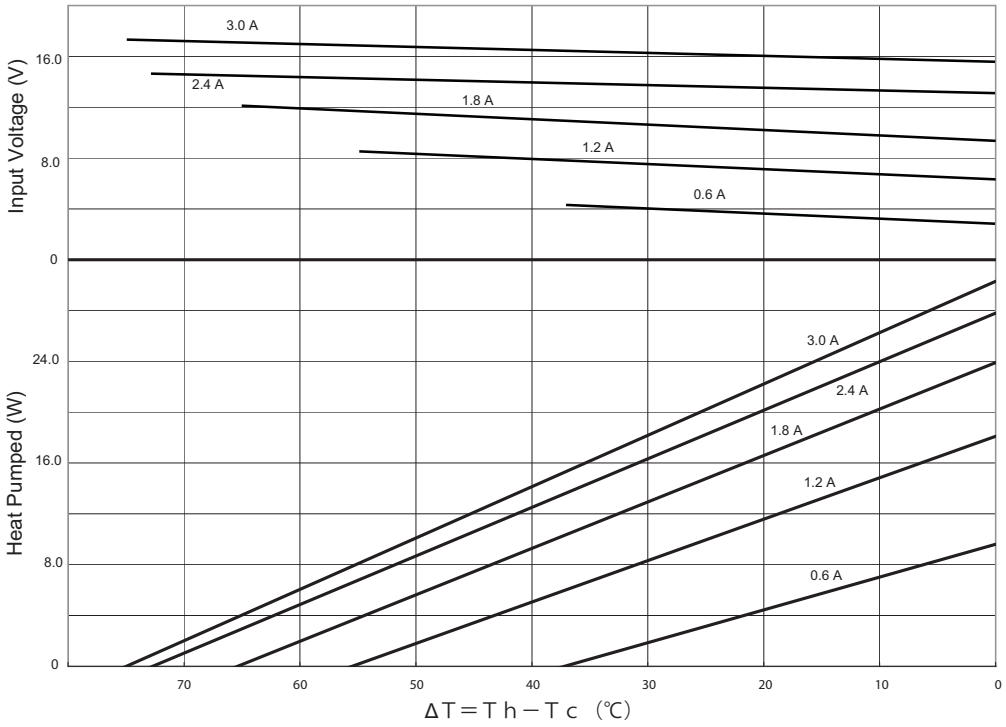
*for further information and product selection refer to peltier application notes.pdf

PART NUMBER: CP30338 **DESCRIPTION: PELTIER MODULE**

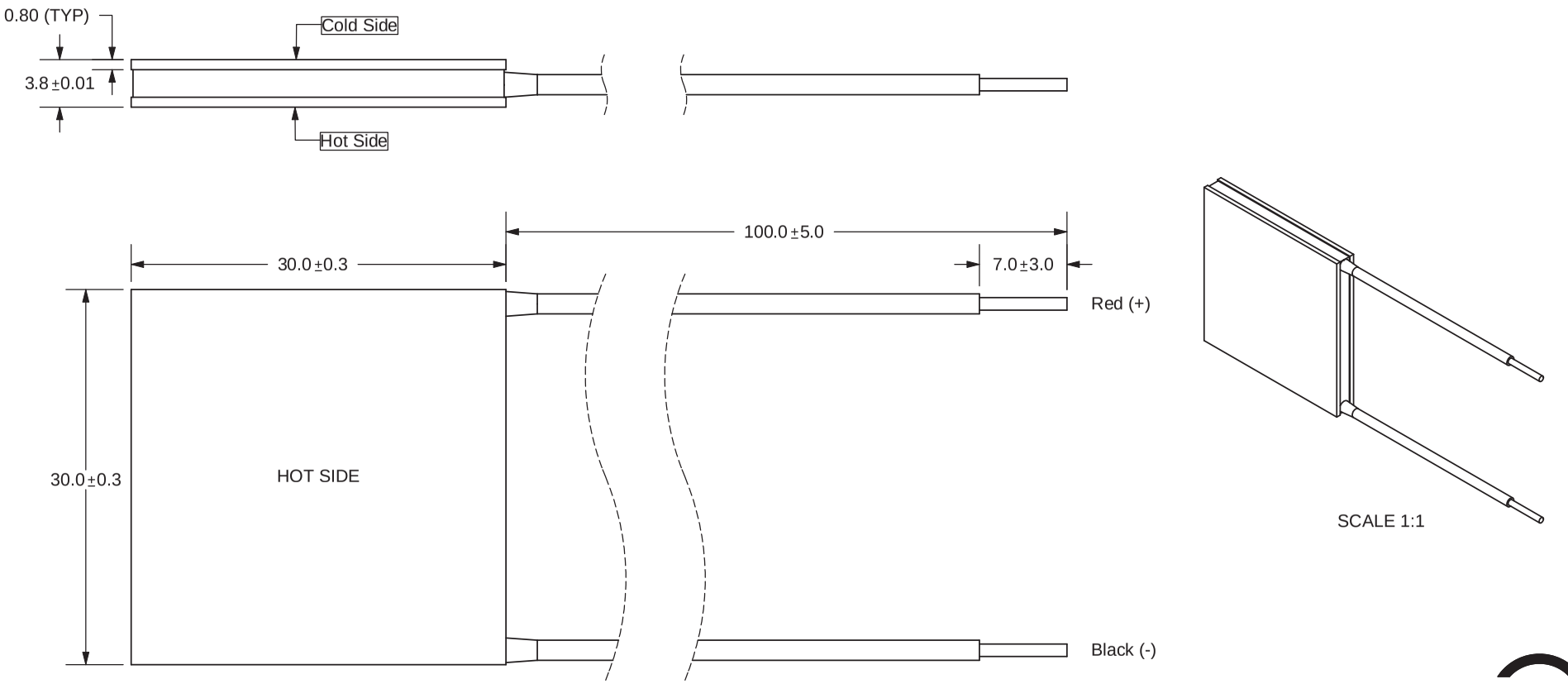
PERFORMANCE (Th=27˚C)



PERFORMANCE (Th=50˚C)



REV.	DESCRIPTION	DATE
A	NEW DRAWING	10/3/2007



SCALE 1:1

TOLERANCE:
±0.1mm UNLESS OTHERWISE NOTED

RoHS

CUI INC

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Fax: 503-612-2383
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	MATERIAL	PLATING
CERAMIC PLATE	Al_2O_3 (Alumina)	White Color
SEALER	Silicon Rubber RTV	White Color
LEAD WIRE	UL1332	Tin
JOINT COVER	Silicon Rubber RTV	White Color

TITLE: PELTIER MODULE		REV: A
PART NO. CP30338		UNITS: MM [INCHES]
DRAWN BY: ZRJ	APPROVED BY:	SCALE: 2:1

PC FILE NAME: CP30338

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