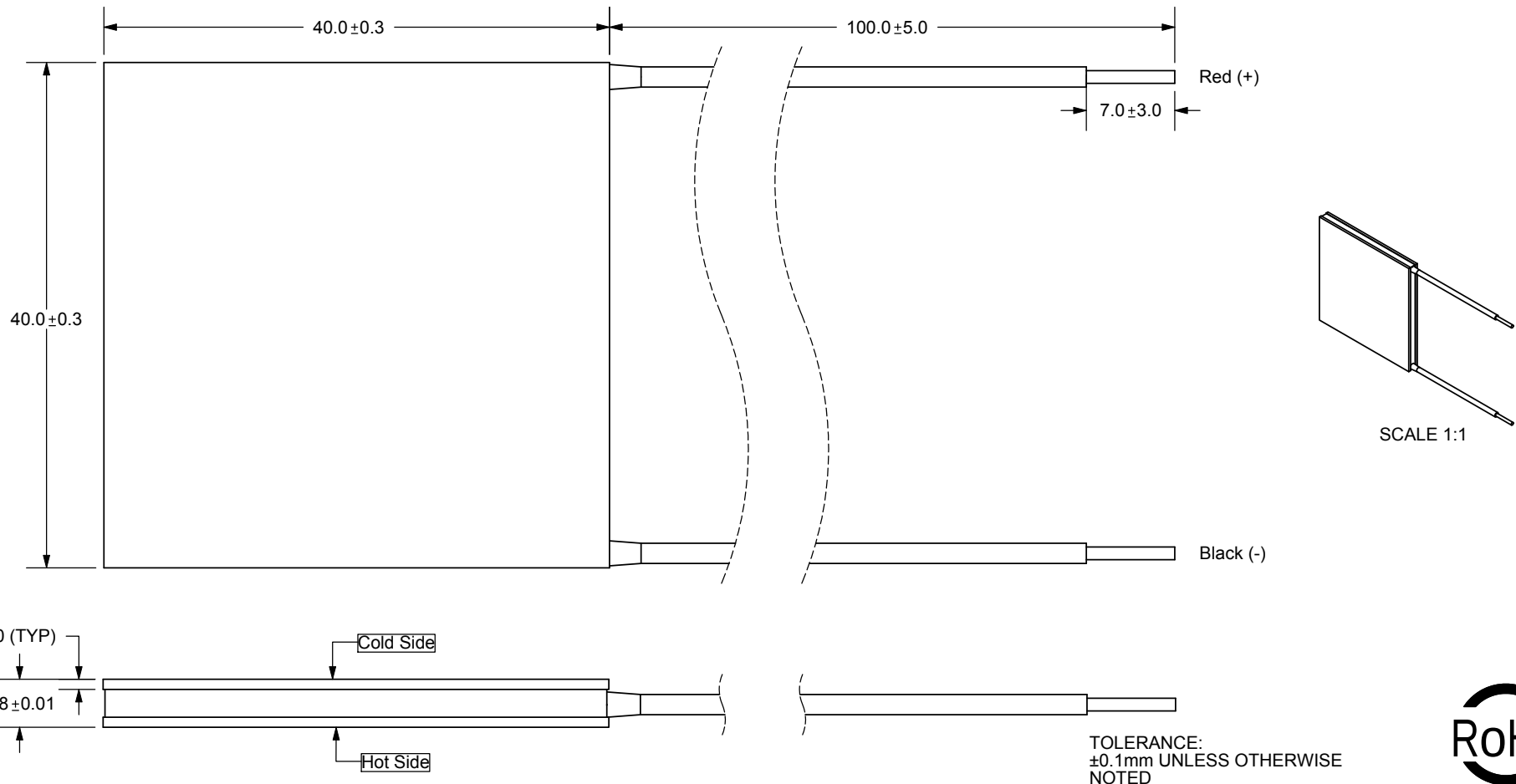


REV.	DESCRIPTION	DATE
A	NEW DRAWING	10/3/2007
B	lead wire material change	8/11/2008



Parameters		Remarks
Resistance	1.5 Ω ± 10%	Note-1
I _{max}	8.5 A	Note-2
V _{max}	15.4 V	Note-3
	Th=27°C Th=50°C	
Q _{max}	75.0 W 83.9 W	Note-4
ΔT _{max}	68°C 75°C	Note-5
Solder melting point	138°C	Note-6
Maximum compress	98.07N/cm ² (10kgf/cm ²)	Note-7
MTBF rating	200,000 hours	

NOTES:

- Note-1: Measured by AC 4-terminal method at 25°C
Note-2: Maximum current at ΔT_{max}
Note-3: Maximum voltage at ΔT_{max}
Note-4: Maximum cooling capacity at I_{max}, V_{max}, and ΔT=0°C
Note-5: Maximum temperature difference at I_{max}, V_{max}, Q=0W (maximum parameters are measured in a vacuum)
Note-6: Thermoelectric module's solder melting point
Note-7: Recommended maximum compression

	MATERIAL	PLATING
CERAMIC PLATE	Al ₂ O ₃ (Alumina)	White Color
SEALER	Silicon Rubber RTV	White Color
LEAD WIRE	UL1674	Tin
JOINT COVER	Silicon Rubber RTV	White Color



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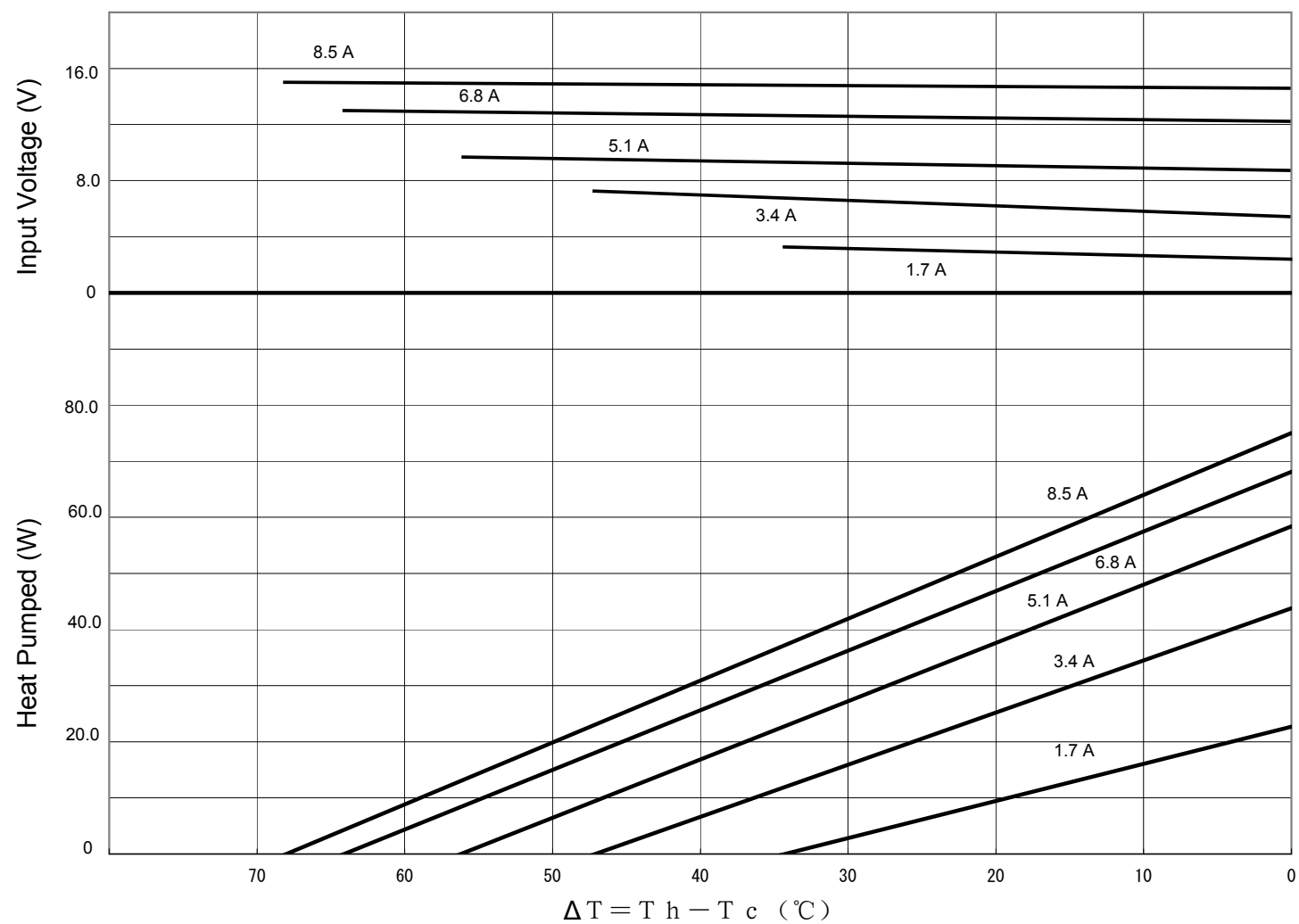
20050 SW 112th Ave.
Tualatin, OR 97062
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800-275-4899
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Website: www.cui.com

TITLE: PELTIER MODULE	REV: B
PART NO. CP85438	UNITS: MM [INCHES]
DRAWN BY: ZRJ	APPROVED BY:
	SCALE: 2:1

PC FILE NAME:
CP85438

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CP85438 ($T_h = 27^\circ\text{C}$)



CP85438 ($T_h = 50^\circ\text{C}$)

