MODEL: CPM-2C  
DESCRIPTION: PELTIER COOLING UNIT

FEATURES
• arcTEC™ structure
• easy installation
• tight seal structure for water resistance and absorption of thermal stress
• wide $\Delta T$ max
• precise temperature control

RoHS

MODEL  
input voltage$^1$  
max (V)  
input current max (A)  
output $Q_{\text{max}}^2$ $T_s=50^\circ\text{C}$ (W)  
output $\Delta T_{\text{max}}^2$ $T_s=50^\circ\text{C}$ (°C)

CPM-2C  
12  
7  
43  
85.9

Notes:  
1. at inverse voltage, "cold side plate" becomes hot side plate  
2. maximum cooling capacity at $I_{\text{max}}$, $V_{\text{max}}$, and $\Delta T=0^\circ\text{C}$  
3. maximum temperature difference at $I_{\text{max}}$, $V_{\text{max}}$, and $Q=0\text{W}$ (maximum parameters are measured in a vacuum)

SPECIFICATIONS

parameter  
conditions/description  
min  
typ  
max  
units
internal resistance$^4$  
1.48  
1.82  
Ω
cold side plate  
-20  
60  
°C

Notes:  
4. measured by AC 4-terminal method at 25°C

SAFETY & COMPLIANCE

parameter  
conditions/description  
min  
typ  
max  
units
isolation voltage for 1 second  
1,200  
Vac
insulation resistance input to output at 250 Vdc  
10  
MΩ
RoHS  
yes

ENVIRONMENTAL

parameter  
conditions/description  
min  
typ  
max  
units
operating temperature  
0  
35  
°C
storage temperature  
-20  
70  
°C
operating humidity  
30  
85  
%
storage humidity  
10  
90  
%

For further information and product selection refer to peltier application notes.pdf
CPM-2C PERFORMANCE (Th=50°C)

MECHANICAL

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<th>typ</th>
<th>max</th>
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MECHANICAL DRAWING

- units: mm
- tolerance: ±0.3 mm
- wire: 18 AWG
- Connector: SVH-21T-P1.1
- housing: VHR-6N(JST)
### REVISION HISTORY

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The revision history provided is for informational purposes only and is believed to be accurate.