



# Thermoelectric Cooling Chip

## Features

- Small bulk and light weight
- No vibration and noise-free
- Precise temperature control
- High reliability

## Application:

**Rugged environment durable**

It's widely used in medical equipment, freezer, drinking fountains, military petroleum instruments as these applications need thermal cycling control. Besides, it's also widely being applied to control the temperature during fabrication of semiconductor.

## Properties

| Size(mm) | Height(mm) | I <sub>max</sub> (A) | V <sub>max</sub> (V) | Watt(W) | Q <sub>max</sub> (W) @27°C | Q <sub>max</sub> (W) @50°C | R(Ohm)   |
|----------|------------|----------------------|----------------------|---------|----------------------------|----------------------------|----------|
| 15×15    | 3.1        | 6.0                  | 3.8                  | 22.8    | 13                         | 14.3                       | 0.45±10% |
|          | 3.4        | 8.5                  | 2.1                  | 17.9    | 10.3                       | 11.3                       | 0.20±10% |
|          | 3.6        | 3.9                  | 3.8                  | 14.8    | 8.6                        | 9.5                        | 0.85±10% |
|          | 3.8        | 3.0                  | 3.8                  | 11.4    | 7.3                        | 8                          | 1.00±10% |
|          | 3.9        | 6.0                  | 2.1                  | 12.6    | 7.4                        | 8.2                        | 0.30±10% |
|          | 4.7        | 2.0                  | 3.8                  | 7.6     | 4.4                        | 5                          | 1.65±10% |
| 20×20    | 3.1        | 6.0                  | 8.8                  | 52.8    | 29.7                       | 32.7                       | 1.05±10% |
|          | 3.4        | 8.5                  | 3.8                  | 32.3    | 18.8                       | 20.8                       | 0.35±10% |
|          | 3.6        | 3.9                  | 8.8                  | 34.3    | 18.7                       | 20.9                       | 1.95±10% |
|          | 3.8        | 3.0                  | 8.8                  | 26.4    | 16.6                       | 18                         | 2.20±10% |
|          | 3.9        | 6.0                  | 3.8                  | 22.8    | 13.6                       | 14.9                       | 0.55±10% |
|          | 4.7        | 2.0                  | 8.8                  | 17.6    | 10.2                       | 11.2                       | 3.70±10% |
| 30×30    | 3.15       | 6.0                  | 15.7                 | 94.2    | 53.1                       | 59.1                       | 1.90±10% |
|          | 3.45       | 8.5                  | 8.8                  | 74.8    | 43.1                       | 48                         | 0.85±10% |
|          | 3.65       | 3.9                  | 15.7                 | 61.2    | 35.2                       | 39                         | 3.50±10% |
|          | 3.85       | 3.0                  | 15.7                 | 47.1    | 29.8                       | 32.5                       | 4.00±10% |
|          | 3.95       | 6.0                  | 8.8                  | 52.8    | 31.1                       | 34.2                       | 1.25±10% |
|          | 3.95       | 6.0                  | 11.8                 | 70.8    | 48                         | 52.8                       | 1.65±10% |
|          | 4.75       | 2.0                  | 15.7                 | 31.4    | 18.2                       | 19.5                       | 6.70±10% |
| 40×40    | 3.45       | 8.5                  | 15.7                 | 133.5   | 77.1                       | 85                         | 1.50±10% |
|          | 3.95       | 6.0                  | 15.7                 | 94.2    | 55.6                       | 61                         | 2.20±10% |

► For special sizes, please contact our product consultants.

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