



# Thermoelectric Cooling Chip

## Features

- Small bulk, light weight
- Vibration-free, noise-free
- Precise temperature control
- High reliability

## Applications

### High strength for rugged environment

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 semiconductor IC manufacturing process.

## 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%

► The above are our standard sizes. For other special sizes, please contact our product consultants.

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