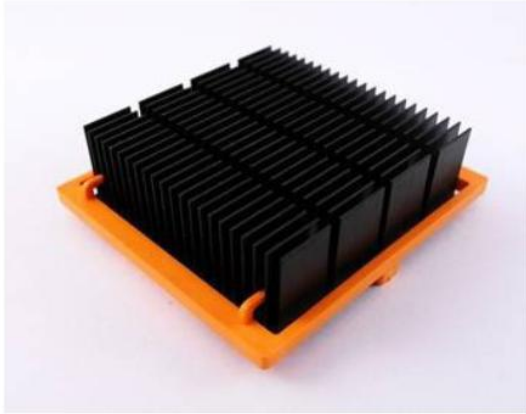


## Super High Density BGA Heat Sinks



BGA CHIP THICKNESS (B)	CLIP COLOR
2.6mm±0.3mm	YELLOW
1.7mm±0.3mm	BLUE
0.9mm±0.3mm	ORANGE

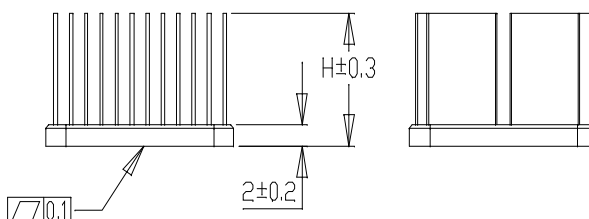
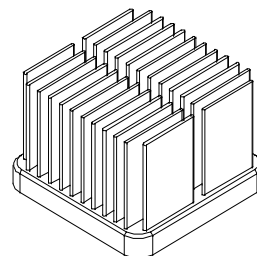
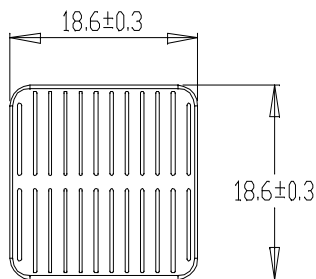
## Performance

Chipset Size LxW(mm)	Part Number	Thermal Resistance: $\theta_{sa}$ at 200LFM		
		H=6mm	H=10mm	H=13mm
19 x 19	LF19001-XX20ZA	7.05	5.42	4.41
25 x 25	LF25001-XX20ZA	5.22	4.05	3.32
27 x 27	LF27001-XX20ZA	4.88	3.75	3.07
30 x 30	LF30001-XX20ZA	4.37	3.29	2.69
35 x 35	LF35001-XX20ZA	3.93	3.04	2.22
37 x 37	LF37001-XX20ZA	3.74	3.23	2.44
40 x 40	LF40001-XX20ZA	3.85	3.10	2.37
45 X 45	LF45001-XX20ZA	3.17	2.53	1.91

## Heat Sink

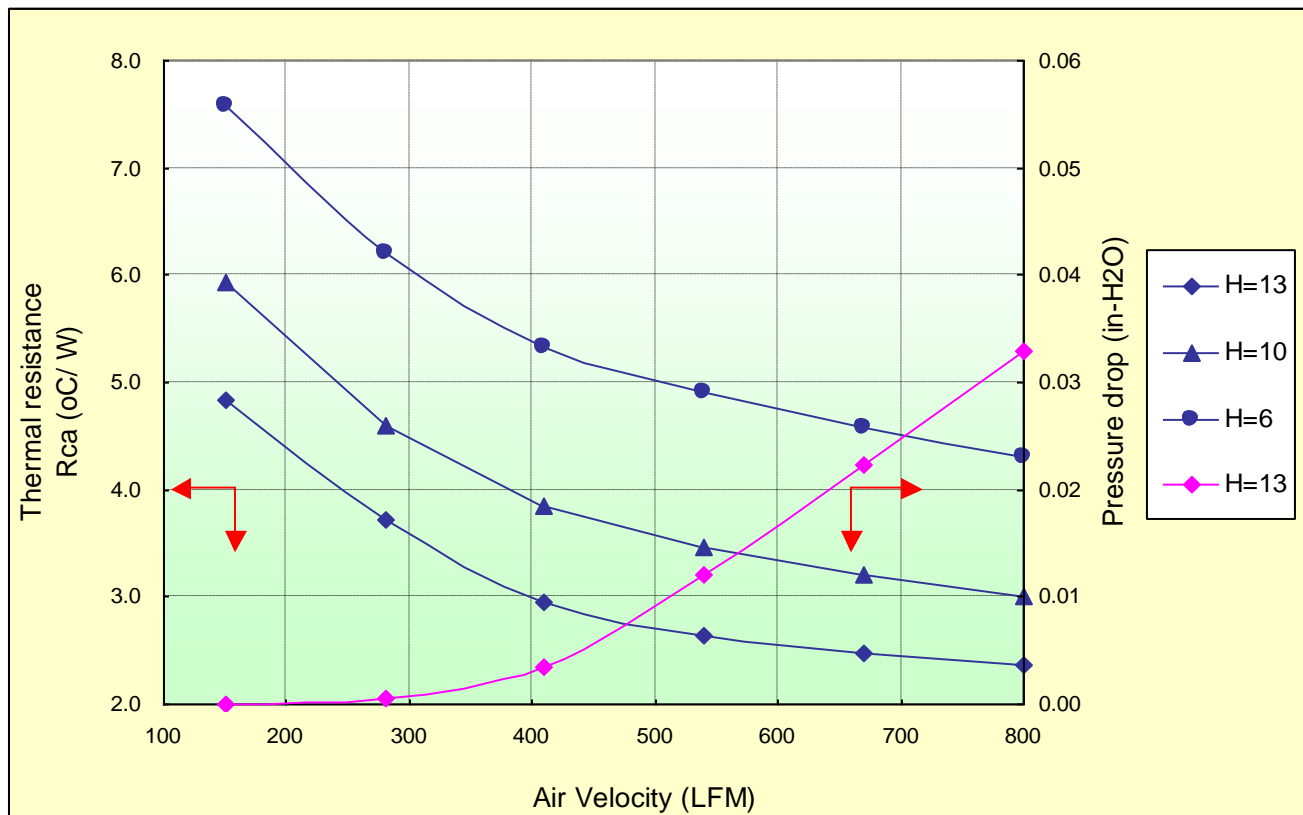
### Specification

1. Material : Al 1070
2. Dimension :  
 Foot print : 19 x 19mm  
 Height : 13 、 10 、 6 mm  
 Base (thickness) : 2.0mm
3. Finish: Black Anodize



### Performance

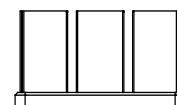
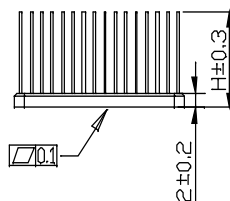
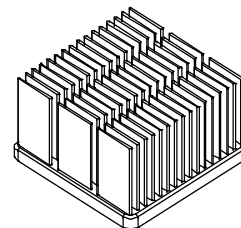
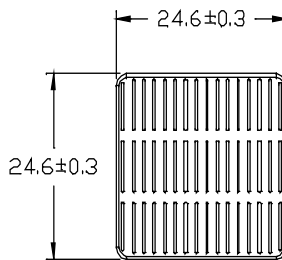
Heat Source (LxW)	12x12
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## Heat Sink

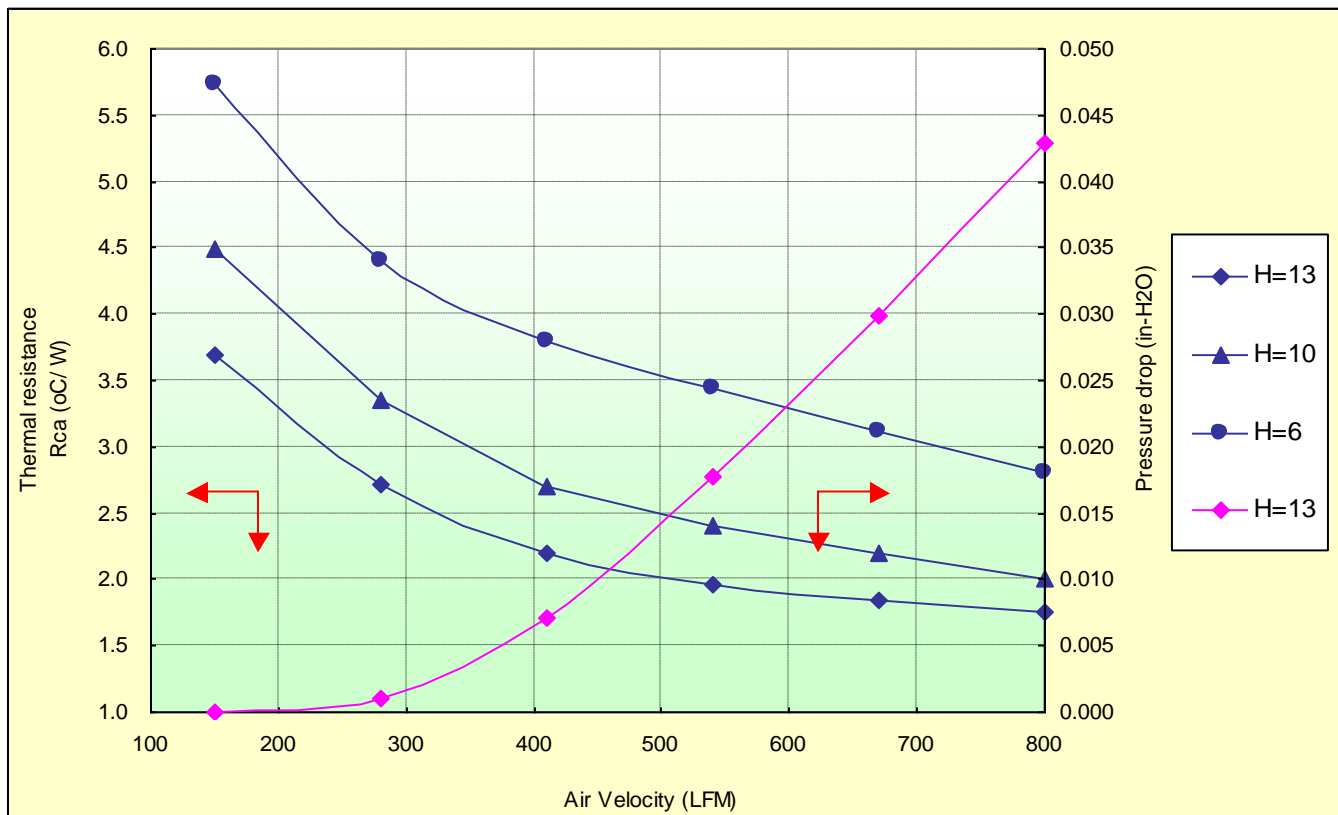
### Specification

1. Material : Al 1070
2. Dimension :  
 Foot print : 25 x 25mm  
 Height : 13、10、6 mm  
 Base (thickness) : 2.0mm
3. Finish: Black Anodize



### Performance

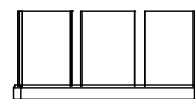
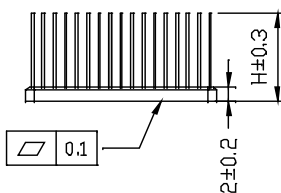
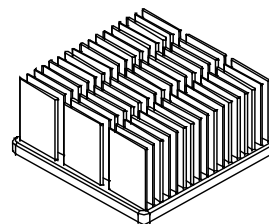
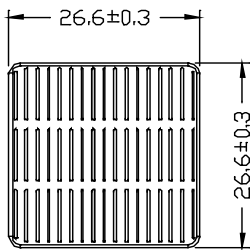
Heat Source (LxW)	12x12
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## Heat Sink

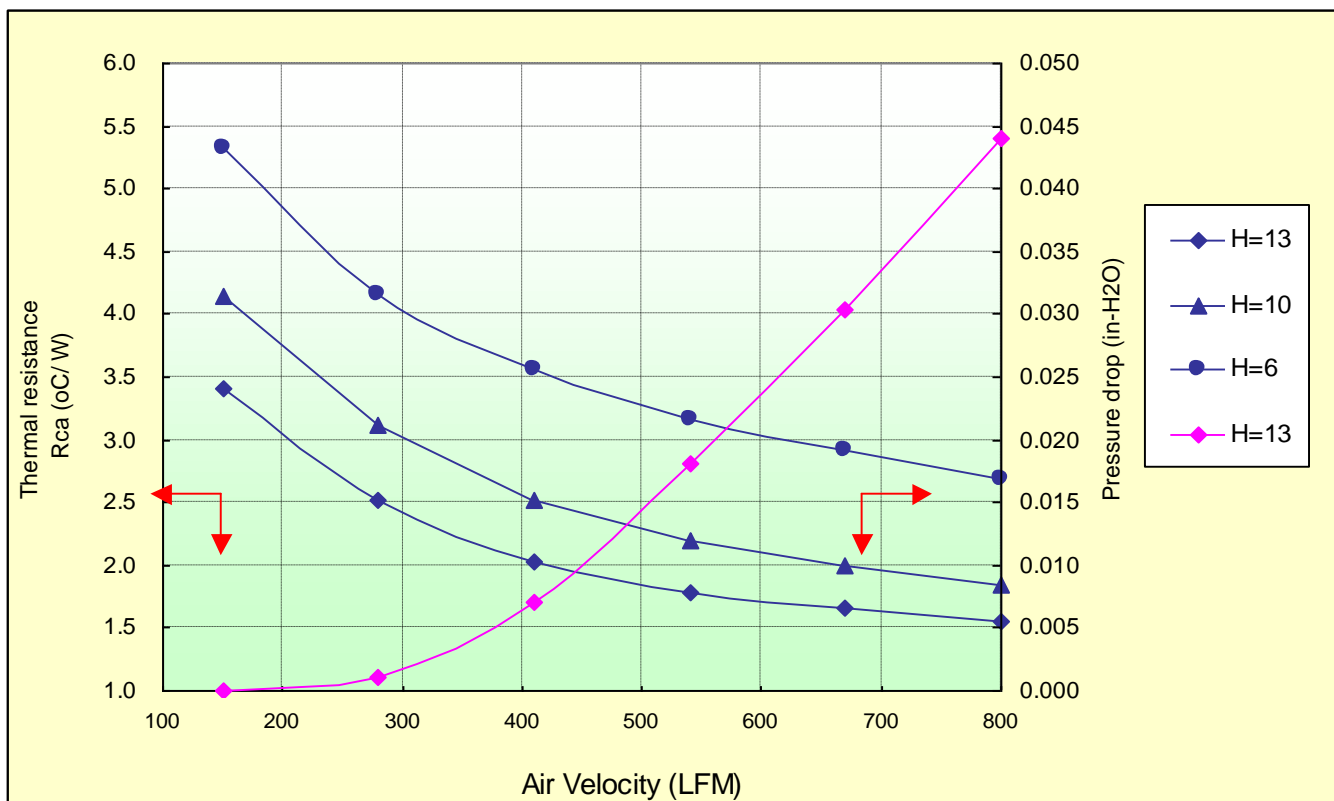
### Specification

1. Material : Al 1070
2. Dimension :  
 Foot print : 27 x 27mm  
 Height : 13、10、6 mm  
 Base (thickness) : 2.0mm
3. Finish: Black Anodize



### Performance

Heat Source (LxW)	12x12
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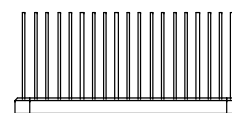
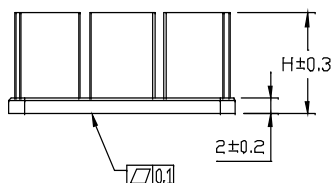
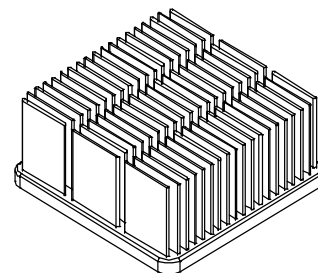
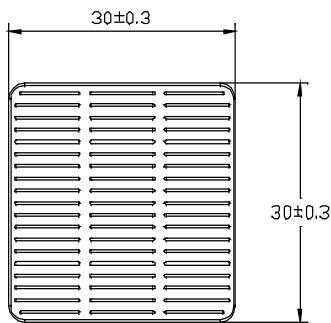
# Model : LF30001-XX20ZA



## Heat Sink

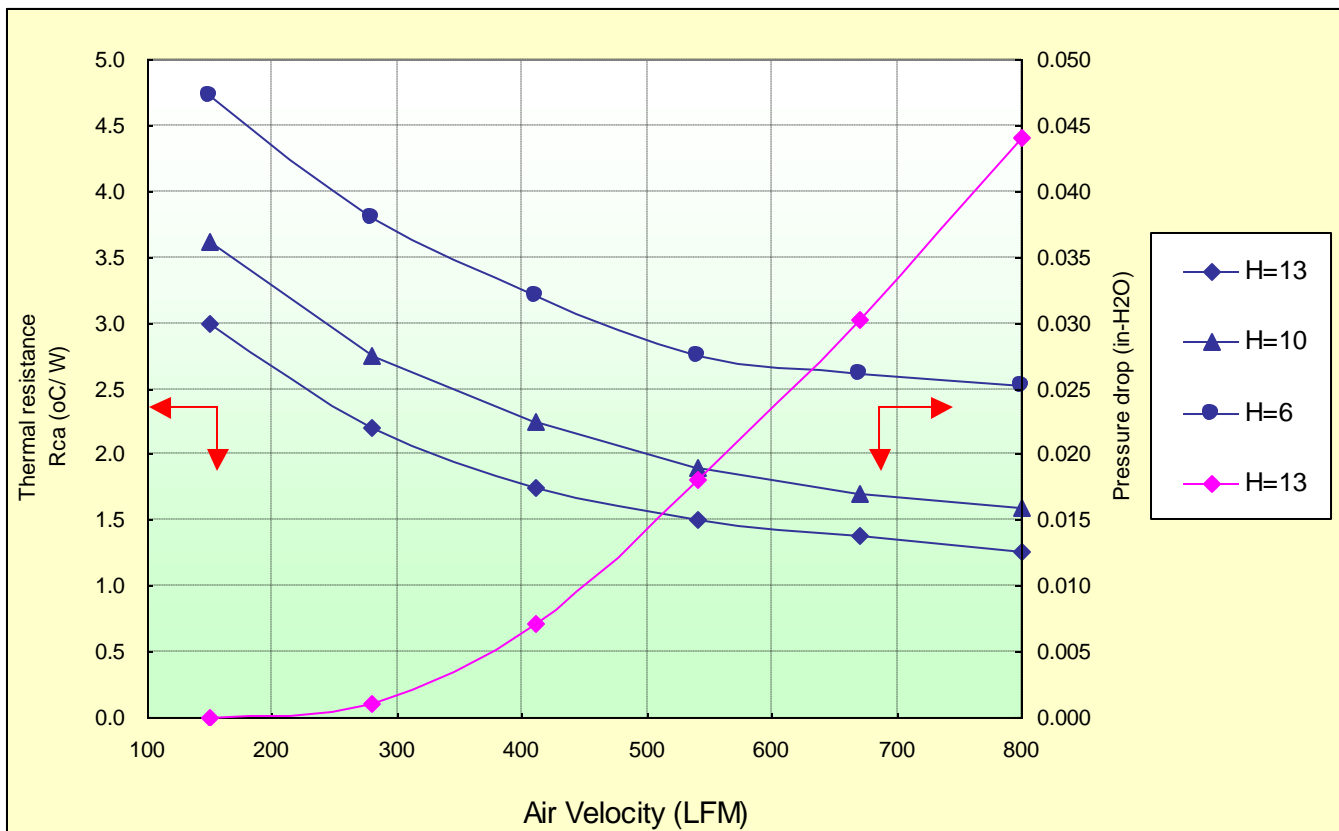
### Specification

1. Material : Al 1070
2. Dimension :  
 Foot print : 30 x 30mm  
 Height : 13、10、6 mm  
 Base (thickness) : 2.0mm
3. Finish: Black Anodize



### Performance

Heat Source (LxW)	12x12
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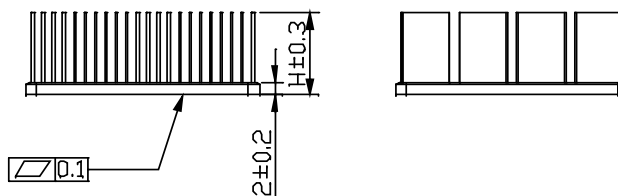
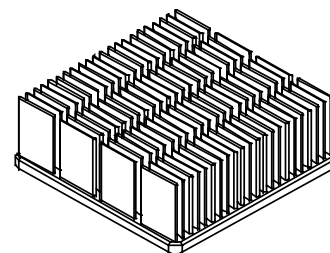
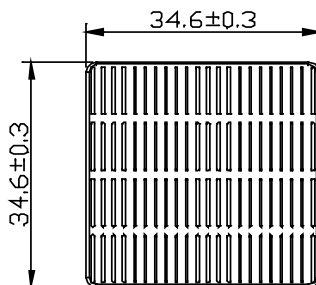


## Heat Sink



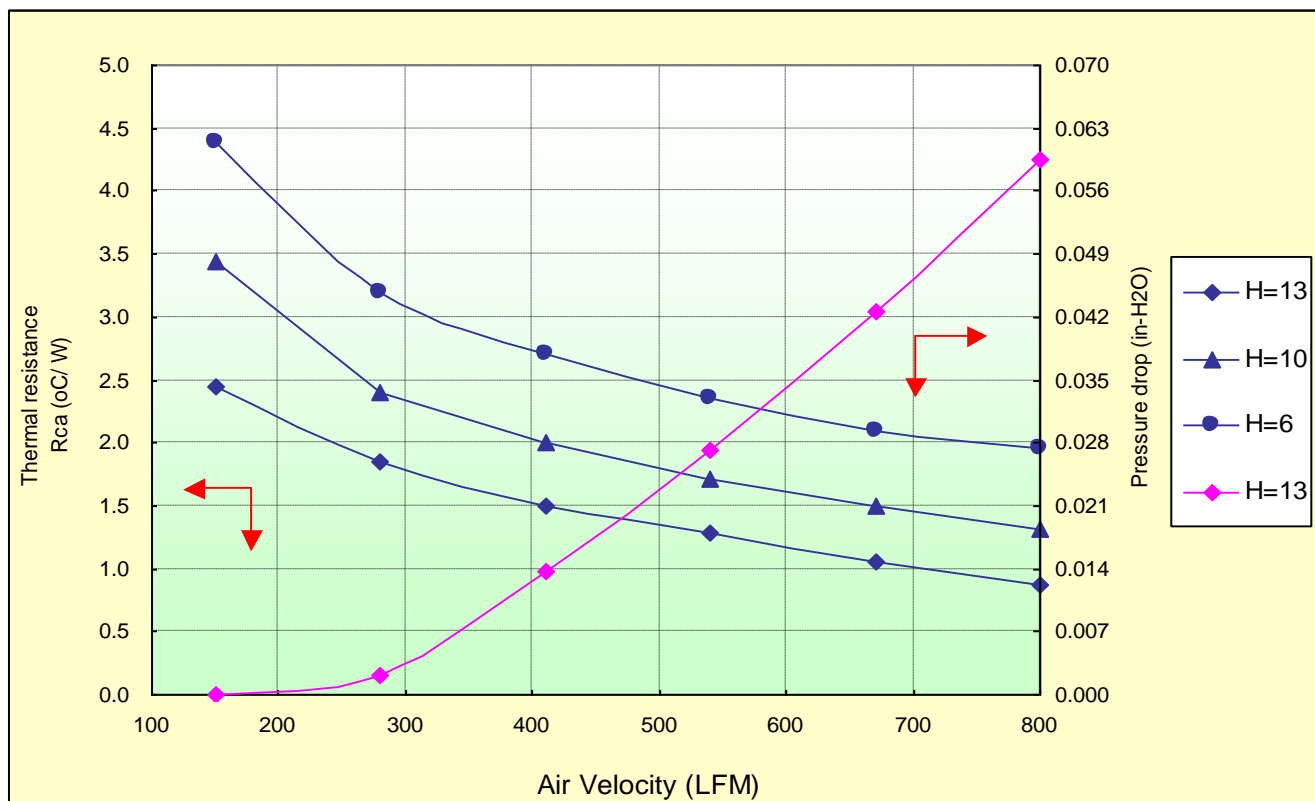
### Specification

- 1. Material : Al 1070
- 2. Dimension :  
 Foot print : 35 x 35 mm  
 Height : 13、10、6 mm  
 Base (thickness) : 2.0mm
- 3. Finish: Black Anodize



### Performance

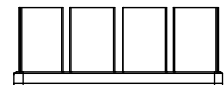
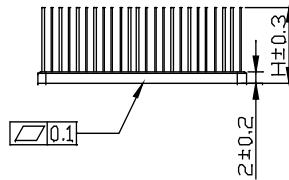
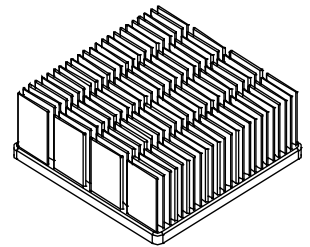
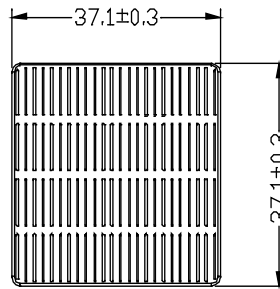
Heat Source (LxW)	12x12
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## Heat Sink

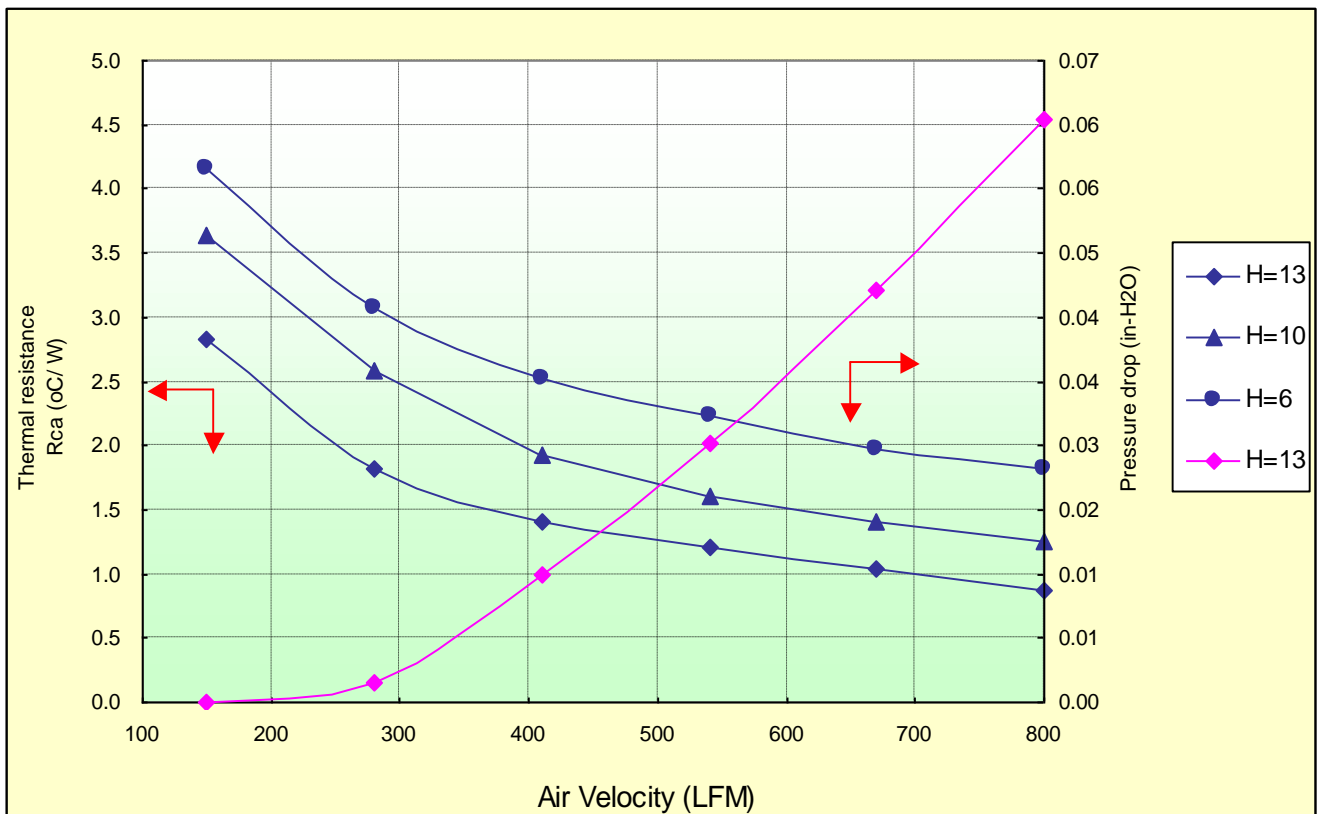
### Specification

1. Material : Al 1070
2. Dimension :  
 Foot print : 37.1 x 37.1mm  
 Height : 13、10、6 mm  
 Base (thickness) : 2.0mm
3. Finish: Black Anodize



### Performance

Heat Source (LxW)	12x12
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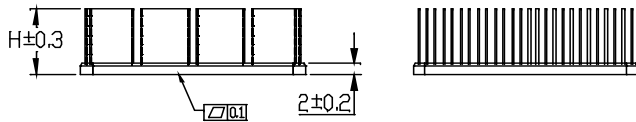
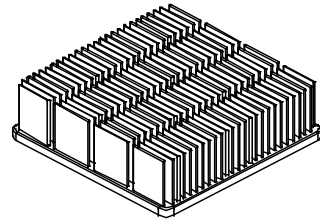
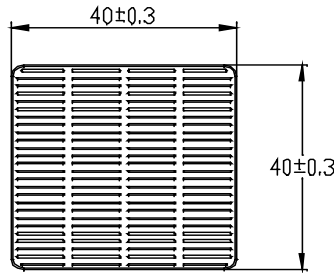
## Heat Sink



### Specification

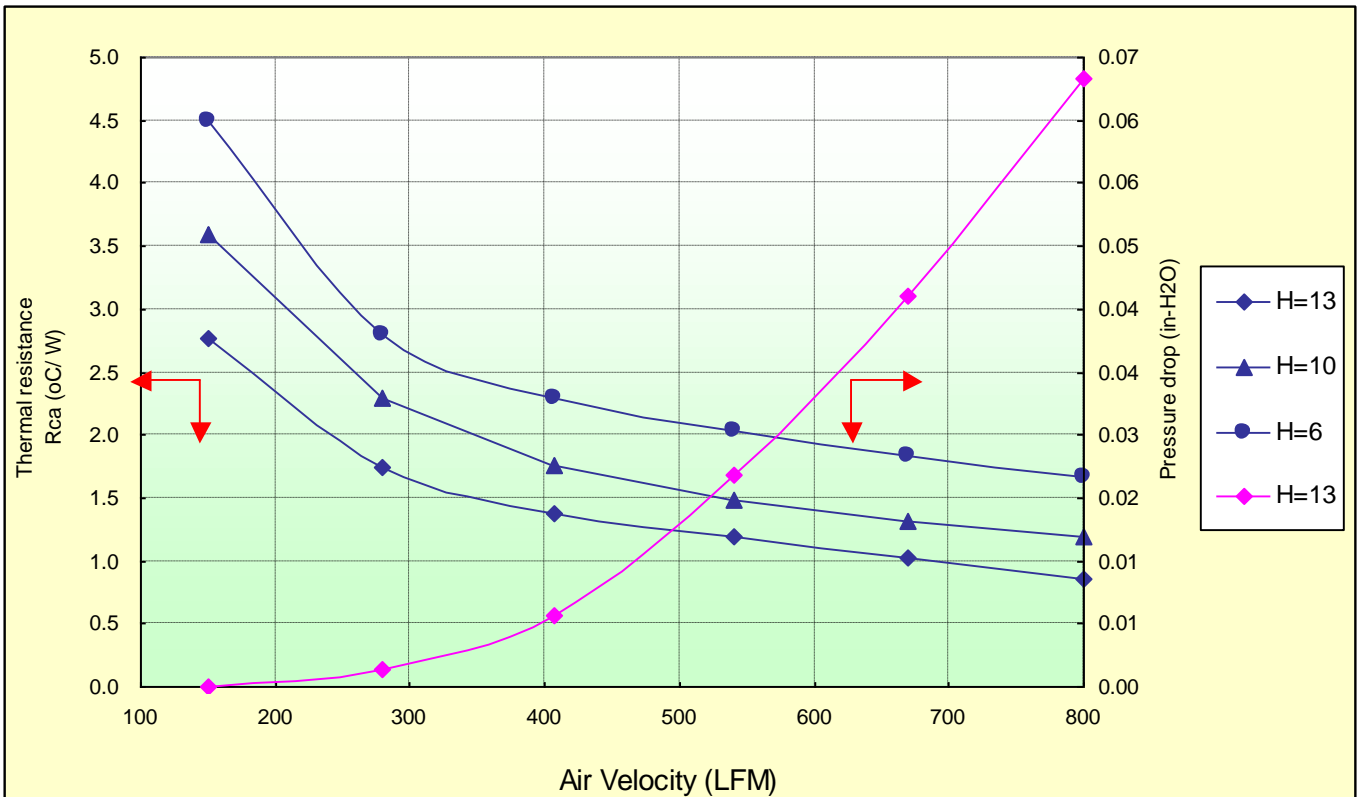
- 1. Material : Al 1070
- 2. Dimension :  
 Foot print : 40 x 40mm  
 Height : 13、10、6 mm  
 Base (thickness) : 2.0mm

3. Finish: Black Anodize



### Performance

Heat Source (LxW)	12x12
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# Model : LF45001-XX20ZA

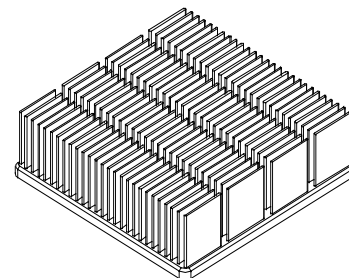
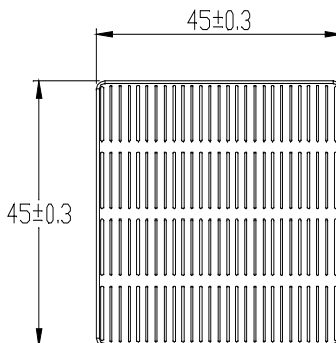


## Heat Sink

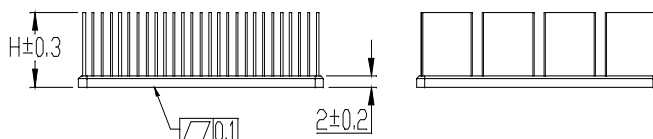


### Specification

- 1. Material : Al 1070
- 2. Dimension :
  - Foot print : 45 x 45mm
  - Height : 13、10、6 mm
  - Base (thickness) : 2.0mm



- 3. Finish: Black Anodize



### Performance

Heat Source (LxW)	12x12
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