



## Effect of Perforation Shape on The Efficiency of Heat Sink Fin- A Review

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**Abstract:** In today's scenario world is facing extreme problems with electrical devices. As the increasing demand of electrical appliances has resulted in low cost manufacturing. Low cost manufacturing has resulted in various problems to the man kind. Various researches are prevailing in the field of electrical engineering appliances to provide the world with new and modern technology. Electrical and mechanical goes in series with each other. In this study main focus is devoted

on Heat sink fin which acts as a cooling device for various applications. Most of the researches are going on to improve this device for the performance enhancement of the devices in which high amount of cooling is required. In this paper a brief review of the studies conducted to increase the efficiency of heat sink fin is presented

*Keywords: Heat sink, Perforation, Temperature*

### 1. Introduction

Heat sink helps us to overcome the problems cause by heat generation like overheating of system, because of this increases in the chances of system failure. So, there should be efficient heat sinks for overcome these problems in industrial application. Free convection or natural convection is one of the best cooling techniques from these devices played an important role in

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