



# **APPLICATION NOTE PA89**

HTTP://WWW.APEXMICROTECH.COM (800) 546-APEX (800) 546-2739

#### **HEATSINKS**

The following heatsinks are mechanically compatible with this amplifier. Thermal ratings are for optimum mounting in free air



HS06 0.96°C/W



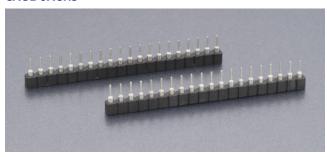
## HS11 0.68°C/W

With liquid cooling the HS11 thermal rating can be reduced to  $0.1^{\circ}\text{C/W}$ .



HS18 1°C/W

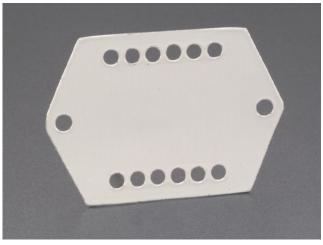
#### **CAGE JACKS**



### **MS06**

Part number MS06 consists of 2 socket strips. These are mounted directly in a print circuit board. Use a spacer between the PCB and the heatsink to avoid short circuits.

#### THERMAL WASHER



### **TW05**

## **NOTES:**

- 1. Base material is aluminum, 0.002" thick. Do not allow the washer to touch pins of the amplifier.
- 2. For optimum thermal transfer, avoid abrasive handling of washers which can damage their 0.5mil thick layer of thermal compound with which each side is coated.
- 3. The dry thermal compound will flow filling header to heatsink voids as soon as the material reached  $60^{\circ}$ C.
- 4. Do not store unused thermal washers above 40°C.
- 5. A new washer must be used for each mounting.
- 6. Part number TW05 consists of a package of 10 washers.
- 7. Thermal resistance is 0.05°C/W.