

# APPLICATION NOTE PA69EU

## EVALUATION KIT

EK60 is an easy to use engineering platform for prototype evaluation. It accommodates only the EU (12-pin SIP) version of the amplifier. The PC board is also a good starting point for an application specific layout. Provided items include: PC board, heatsink, sockets, thermal washers. The amplifier is sold separately. Common hardware such as screws, nuts and user's preference for I/O connectors are not provided.

## HEATSINKS

The following heatsink is mechanically compatible with this amplifier.



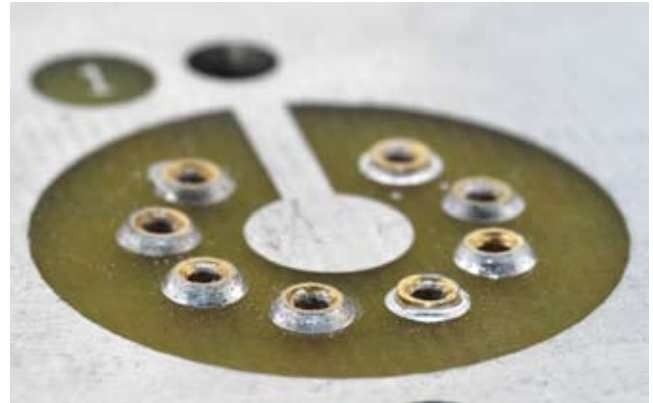
### HS27 - 5.3°C/W

The HS27 is designed to be fastened vertically to a PC board by soldering.

## CAGE JACKS



MS02



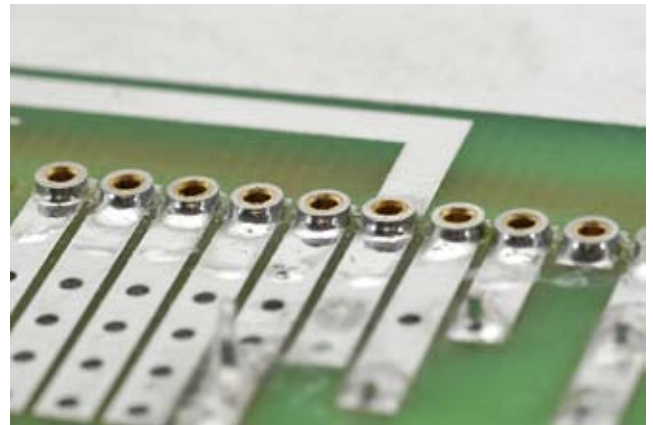
Part number MS02 consists of a package of 8 cage jacks. These are mounted directly in a print circuit board. Use a spacer between the PCB and the heatsink to avoid short circuits.

## SOCKET STRIP



### MS11

Part number MS11 consists of a carrier strip of 30 cage jacks. The strip can easily be cut to any desired number of cage jacks. These are mounted directly in a print circuit board. After soldering, the carrier is pulled off the cage jacks. Use a spacer between the PCB and the heatsink to avoid short circuits.



## THERMAL WASHER



### TW12

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°C.
4. Do not store unused thermal washers above 40°C.
5. A new washer must be used for each mounting.
6. Part number TW12 consists of a package of 15 washers.
7. Thermal resistance is 0.2°C/W.