

# Power Amplifier Support Components

## **EVALUATION KIT**

EK16 is an easy to use engineering platform for prototype evaluation. It accommodates only the straight pin version of the amplifier. The PC board is also a good starting point for an application specific layout. Provided items include: PC board, heatsink rated at 1.3°C/W, socket, thermal washers, ceramic bypass capacitors and power resistors with heatsinks for current limit. The amplifier is sold separately. Common hardware such as screws, nuts and user's preference for I/O connectors are not provided.

## HEATSINKS

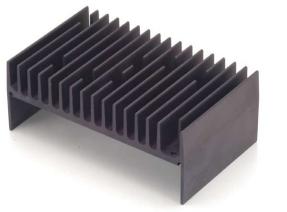
The following heatsinks are mechanically compatible with this amplifier. Thermal ratings are for optimum mounting in free air.

#### HS20 1.3°C/W

The HS20 is designed to be fastened vertically to a PC board with screws.

#### HS27 5.3°C/W

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



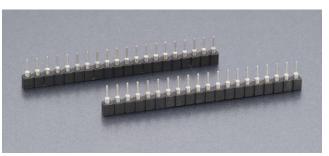


Many other heatsinks can be used with this amplifier if a hole is drilled and deburred. Requirements for the potential heatsink or chassis member are flatness of 2 mils per inch in an area large enough to fit the package.

## SOCKET

#### 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

TW07



#### 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°C.
- 4. Do not store unused thermal washers above 40°C.
- 5. A new washer must be used for each mounting.
- 6. Part number TW07 consists of a package of 10 washers.
- 7. Thermal resistance is 0.1°C/W.

## **CONTACTING CIRRUS LOGIC SUPPORT**

For all Apex Precision Power product questions and inquiries, call toll free 800-546-2739 in North America. For inquiries via email, please contact tucson.support@cirrus.com.

International customers can also request support by contacting their local Cirrus Logic Sales Representative. To find the one nearest to you, go to www.cirrus.com

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