

Power Amplifier Support Components

Evaluation Kit

EK65 is an easy to use engineering platform for prototype evaluation. The PC board is also a good starting point for an application specific layout. Provided items include: PC board, heatsink rated at 0.5°C/W, cage jacks, ceramic bypass capacitor, electrolytic boost capacitor. The amplifier is sold separately.

Heatsink

The HS26 and HS31 heatsinks are mechanically compatible with this amplifier. Thermal rating for the HS26 with optimum mounting in free air is 0.5°C/W. Forced air at 150LFPM will reduce thermal resistance to 0.37°C/W. Forced air at 500LFPM will reduce thermal resistance to 0.2°C/W. The free air rating for the HS31 is 1.46°C/W.

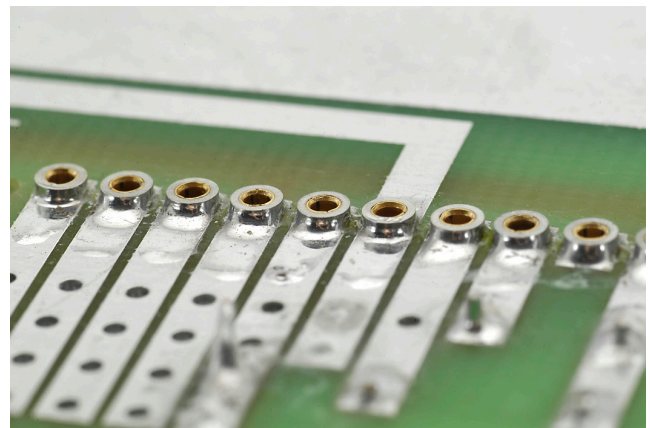
HS26 0.5°C/W



HS31 1.46°C/W



CAGE JACKS



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 Interface

Apply a thin even layer of thermal grease to the amplifier. A straight edge is useful here. Place amplifier on the heatsink and with thumbs apply pressure while moving in a circular motion to insure a void free interface. Insert fasteners and torque lightly.

NEED TECHNICAL HELP? CONTACT APEX SUPPORT!

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