PWM Amplifier Support Components

EVALUATION KIT

EK56 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 capacitors, an electrolytic bypass capacitor, three values of current limit resistors with heatsinks, four banana jacks, a high current I/O screw connection terminal strip, and spacers. The amplifier is sold separately. Common hardware such as screws, nuts and BNC connectors are not provided.

HEATSINK

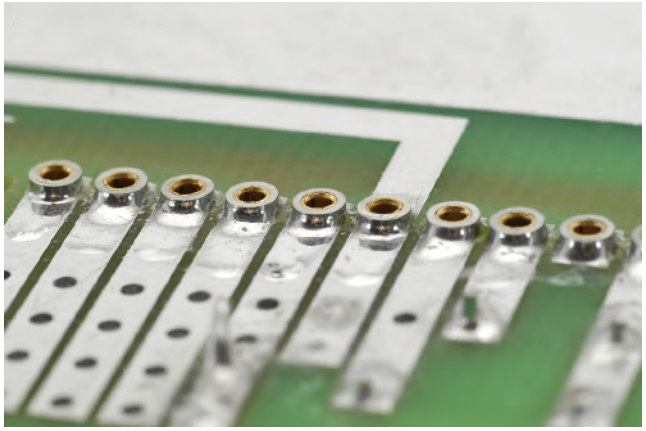
The HS26 heatsink is mechanically compatible with this amplifier. Thermal rating with optimum mounting in free air is 0.5°C/W. Forced air at 150LFPM will reduce thermal resistance to 0.37°C/W. Forced air at 500LFPM will reduce thermal resistance to 0.2°C/W.

HS26

CAGE JACKS

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.

MS11



Copyright © Apex Microtechnology, Inc. 2012
(All Rights Reserved)

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!

For all Apex Microtechnology product questions and inquiries, call toll free 800-546-2739 in North America.
For inquiries via email, please contact apex.support@apexanalog.com.
International customers can also request support by contacting their local Apex Microtechnology Sales Representative.
To find the one nearest to you, go to www.apexanalog.com

IMPORTANT NOTICE

Apex Microtechnology, Inc. has made every effort to insure the accuracy of the content contained in this document. However, the information is subject to change without notice and is provided "AS IS" without warranty of any kind (expressed or implied). Apex Microtechnology reserves the right to make changes without further notice to any specifications or products mentioned herein to improve reliability. This document is the property of Apex Microtechnology and by furnishing this information, Apex Microtechnology grants no license, expressed or implied under any patents, mask work rights, copyrights, trademarks, trade secrets or other intellectual property rights. Apex Microtechnology owns the copyrights associated with the information contained herein and gives consent for copies to be made of the information only for use within your organization with respect to Apex Microtechnology integrated circuits or other products of Apex Microtechnology. This consent does not extend to other copying such as copying for general distribution, advertising or promotional purposes, or for creating any work for resale.

APEX MICROTECHNOLOGY PRODUCTS ARE NOT DESIGNED, AUTHORIZED OR WARRANTED TO BE SUITABLE FOR USE IN PRODUCTS USED FOR LIFE SUPPORT, AUTOMOTIVE SAFETY, SECURITY DEVICES, OR OTHER CRITICAL APPLICATIONS. PRODUCTS IN SUCH APPLICATIONS ARE UNDERSTOOD TO BE FULLY AT THE CUSTOMER OR THE CUSTOMER'S RISK.

Apex Microtechnology, Apex and Apex Precision Power are trademarks of Apex Microtechnolgy, Inc. All other corporate names noted herein may be trademarks of their respective holders.

Copyright © Apex Microtechnology, Inc. 2012
(All Rights Reserved)