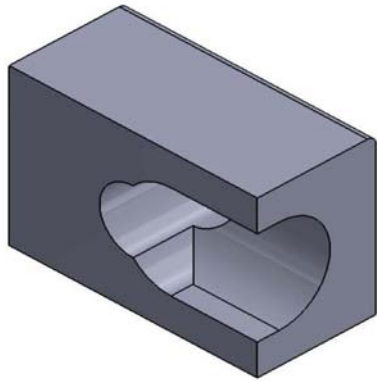


TRANSISTOR CLIP TO-92 HORIZONTAL



General Description:

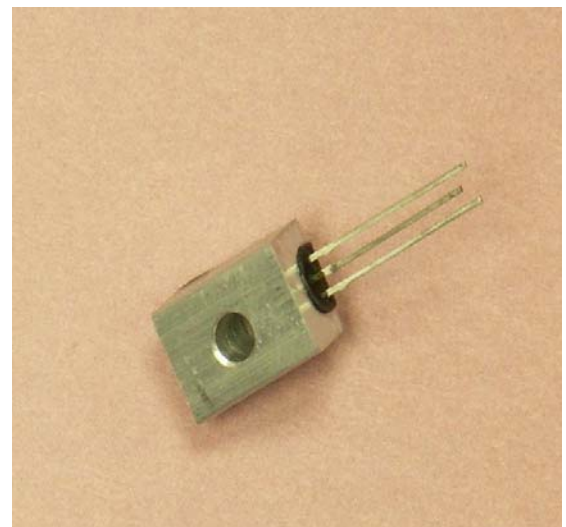
Transistor horizontal TO-92 mounting clip milled from high quality solid aluminum stock. This clip, exclusive to Gibson Engineering & Computers, Inc. designed initially for use in our products it is now being made available to the general market.

General Purposes:

Developed to provide a stable horizontal heat-sink mounting method for a TO-92 packaged transistor device. The rigid aluminum clip body provides the maximum surface to heat-sink contact for thermal transfer for a unified and/or common heat-sink applications.

The high thermal transfer element of the design makes this clip well suited for thermal sensor applications. Such as, clamping NTC or PTC thermal sensor devices to heat-sinks or point source thermal monitoring of large power devices or bricks. The maximized surface contact area and the heavy aluminum body insure a greater accuracy of the temperature transfer to the sensor device.

The solid clip body makes this mount an ideal clamp for even distribution of the clamping pressure exerted by the mounting hardware. This both protects the sensory device and insures the best possible thermal connection to the heat-sink or heat source. The design thermal encapsulates, blankets, the sensor to provide the truest measurement and thermal tracking feedback that we have found. The sensor error is reduced simply because all of the surfaces are at the same temperature.



TRANSISTOR CLIP TO-92 HORIZONTAL



Specifications:

Physical Characteristics:

Material:

6061-T6 Aluminum Alloy

Color: Natural Aluminum

Dimensions:

Outer Dimensions Average:

Length 0.230" inches (5.80mm)

Height 0.220" inches (5.59mm)

Width 0.312" inches (7.93mm)

Weight:

1.73 oz. (100 grams)

Electrical Characteristics:

Resistance: 0.0 Ohms Non-Coated, Non-Treated

Thermal Resistance:

60 C/W Free-Air Convection

Surface Transfer Area 0.452" Square Inches

Environmental Characteristics:

Chemical Resistant, Oil Resistant, Water Splash Resistant

Corrosion Resistant when Anodized (Special Order Only)

Practical Temperature Range: Normal Service Conditions -40 to 85° C (-40 to 185°F)

Humidity: 0 to 90% Non-Condensing

RoHS (2002/95/EC) Compliant materials

Options:

Custom Anodizing Color

(Note: Care should be taken when requesting Anodizing and Coatings as they will alter the thermal characteristics.)

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Available From:

Product manufactured in U.S.A.

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