

Linc-Sink

Extruded aluminium heatsink bracket for mounting power semiconductors, including those with TO 3, TO 218 and TO 220 cases. Linc-Sink slides into the special receiving slots on the inside of every Linc-Ace housing. It can be both circuit board mounted and in contact with the Linc-Ace housing if so desired. Lengths available: 40mm and 20mm. (20mm is not wide enough for TO 3.) Comes complete with fitting kit containing washers and screws.

Order Codes:

length	20mm	40mm
Order Code	SSN 20	SSN 40

Fitting Kit: The fitting kit supplied with each Linc-Sink contains 2 x M3 screws, 2 x M3 nuts, 2 x small washers, 2 x large washers. Referring to the illustrations for mounting TO 3 and TO 220 semiconductors it can be seen that the small washer fits under the head of the screw whilst the large washer passes through the circuit board.

Application Information:

Linc-Sink can be mounted directly in the special slot on a Linc-Ace with trailing wires from the transistor to the circuit board. Use of heatsink compound between the Linc-Sink and the enclosure is always recommended and this is often sufficient to secure the device in the slot. Alternatively, Linc-Sink can be circuit board mounted as illustrated. If required it can be mounted so that it slides into the special receiving slot on a Linc-Ace as the circuit board is inserted. In order to achieve this the screw holes should be diameter 3.7mm at 30mm centres as illustrated and at a dimension "x" from the edge of the circuit board, where $x = 11.75\text{mm}$ for Linc-Ace B and Linc-Ace C. For Linc-Ace A $x = 12.5\text{mm}$, which puts the Linc-Sink on the centre line of the 55mm wide circuit board.

When using Linc-Sink circuit board mounted in conjunction with a TO 220 transistor it will be seen from the illustration that one of the screws projects below the circuit board more than the other. If used in the bottom slot of Linc-Ace B or C then this screw should be closest to the side wall to avoid fouling an internal projection. Alternatively - replace with a shorter screw.

Heatsinking:

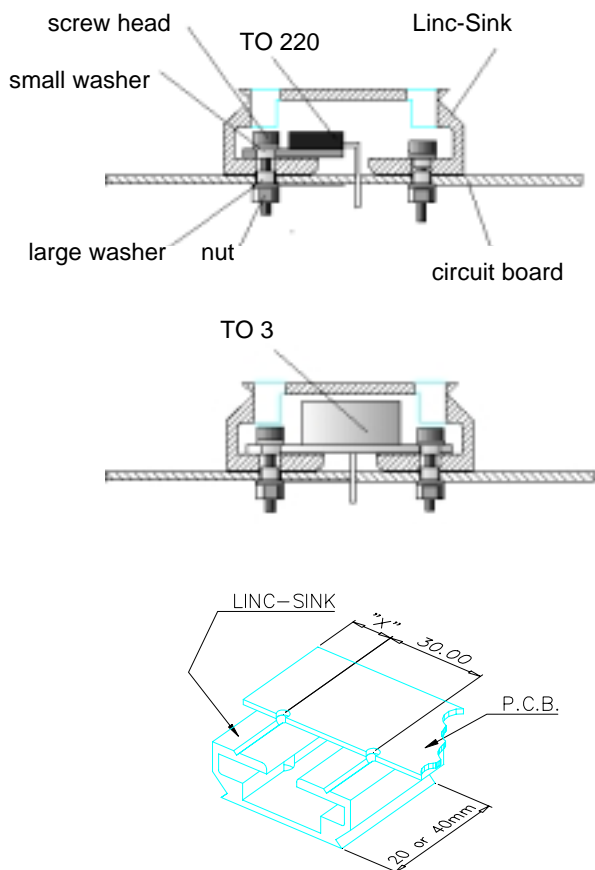
Thermal resistance circuit board mounted Linc-Sink to air:

SN 20 - 16 C/W, SN 40 - 12C/W.

Thermal resistance Linc-Sink to case with heatsink compound:

SN 20 - 3 C/W, SN 40 - 1.5 C/W.

Weight: SSN 20 - 16g. SSN 40 - 33g



Product and data subject to change without notice. User knows application and must determine fitness for purpose and appropriateness of advice verbal or written. See terms and conditions of sale.