



Install Instructions of TO-220 & ITO-220

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Recommended Tightening Torques

When mounting the device on a heat sink. Excess torque applied to the mounting screw causes damage to the device and weak torque will increase the thermal resistance, both of which conditions may destroy the device.

Recommended Tightening Torques as following:

Package	Screw	Tightening torques
TO-220	M3	30~50Ncm(3~5kg)
ITO-220	M3	30~50Ncm(3~5kg)

Remark: Flatness <+-30um

Roughness <10um

Plane off the edges C<1.0mm

The heat sink should have a flatness within+-30um and roughness within 10um Also, keep the tightening torque within the limits of this specification. Improper handling may cause isolation breakdown leading to a critical accident.

ex.: Over plane off the edges of screw hole. (We recommend plane off the edge is C<1.0mm)

We recommend the use of thermal compound to optimize the efficiency of heat radiation.

It is important to evenly apply the compound and to eliminate any air voids.

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