

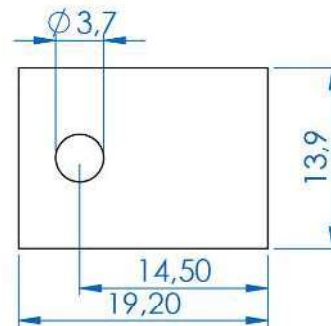


Aluminium oxide slices are used for insulated assembly of semiconductors for high voltage ranges. Despite the high dielectric strength, good heat transfer, from the semiconductor to the heat sink is available.

General values: Colour: white
 Dielectric strength: approx. 10 KV / mm
 Dielectric loss factor at 1 MHz: 10^{-4}
 Dielectric constant at 1 MHz: 9.1
 Specific resistance: 10^4 Ohm x cm
 Density: 3.9 gm^3 purity 96 %
 R_{th} (TO3): approx. 0.5 K / W

The following pages contain standard sections for prevalent semiconductor shapes. We are be pleased to cut customised aluminium oxide slices for you based on your drawing.

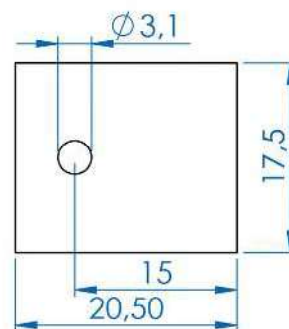
AO 475



For Casing: **TO 220**

Thermal Conductivity: [W/mK]: **25** Thickness: [mm]: **1.6**

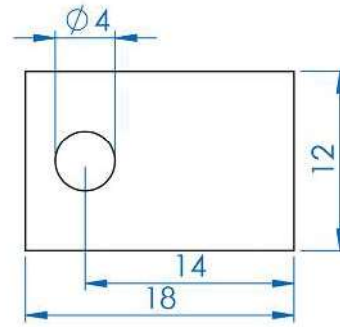
AO 472



For Casing: **TO 218, TOP 3**

Thermal Conductivity: [W/mK]: **25** Thickness: [mm]: **1.6**

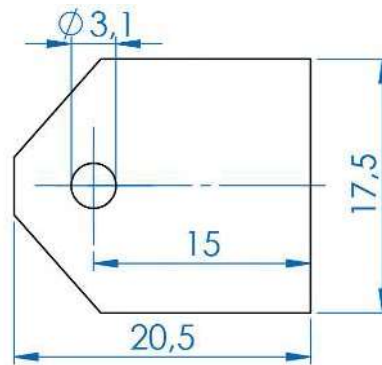
AO 479



For Casing: **TO 220**

Thermal Conductivity: [W/mK]: **25** Thickness: [mm]: **1.5**

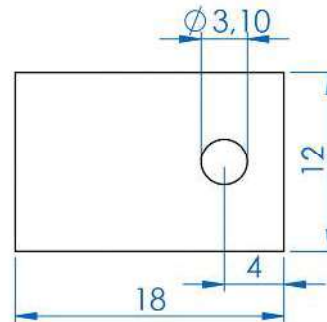
AO 471



For Casing: **TO 218, TOP 3**

Thermal Conductivity: [W/mK]: **25** Thickness: [mm]: **1.5**

AO 474

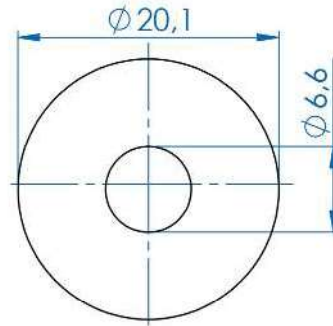


For Casing: **TO 220**

Thermal Conductivity: [W/mK]: **25** Thickness: [mm]: **1.5**

- Alutronic in Short
- Customised Extrusions
- Standard Extrusions
- Heat Sink PCB Mounting
- Powerbloccs
- Heat Sink Systems
- Casings
- Insulation + Heat Conduction
- Mounting
- Index

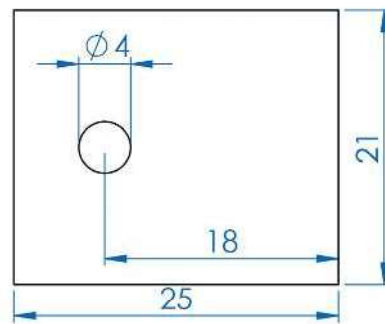
AO 478



For Casing: **DO 5 (Diode)**

Thermal Conductivity: [W/mK]: **25** Thickness: [mm]: **1.6**

AO 480



For Casing: **TO 218, TOP 3**

Thermal Conductivity: [W/mK]: **25** Thickness: [mm]: **3**

