

**70165 PRODUCT DETAILS**

<i>Property</i>	<i>Details</i>
<i>Height</i>	1.78 in (45.21 mm)
<i>Width</i>	12.00 in (304.8 mm)
<i>Perimeter</i>	113.86 in
<i>Weight</i>	11.8 lbs per foot (17.56 kg per meter)
<i>Material</i>	6063-T5 Aluminum Extrusion Alloy



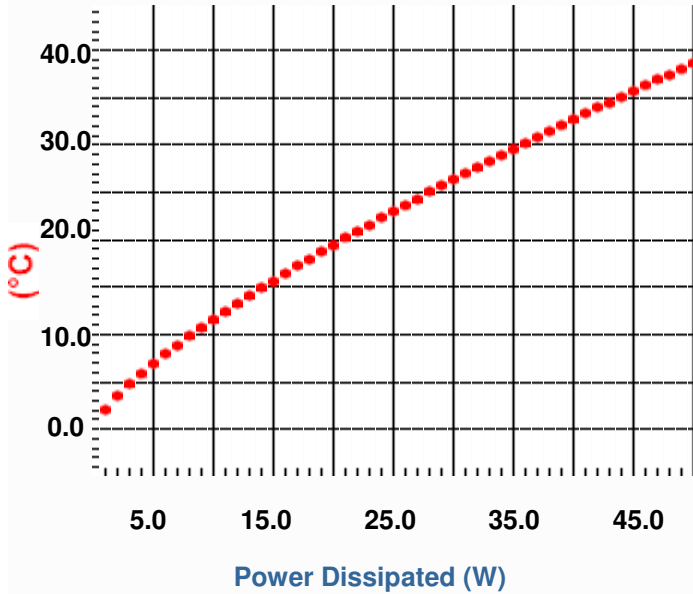
**THERMAL DATA**

Natural Convection: 0.61 based on 70 C temp rise above ambient.

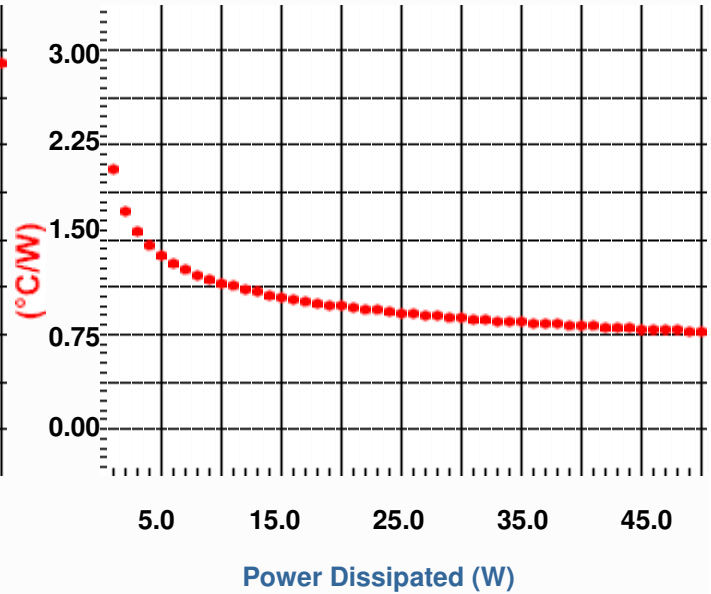
Thermal resistance is calculated based on a single 1" (25.4mm) square heat source centered on the heat sink. If you have distributed loads, then you can expect 10% better performance in natural convection and 20% better performance in forced convection.

**Natural Convection**

Heat Sink Temperature Rise Above Ambient

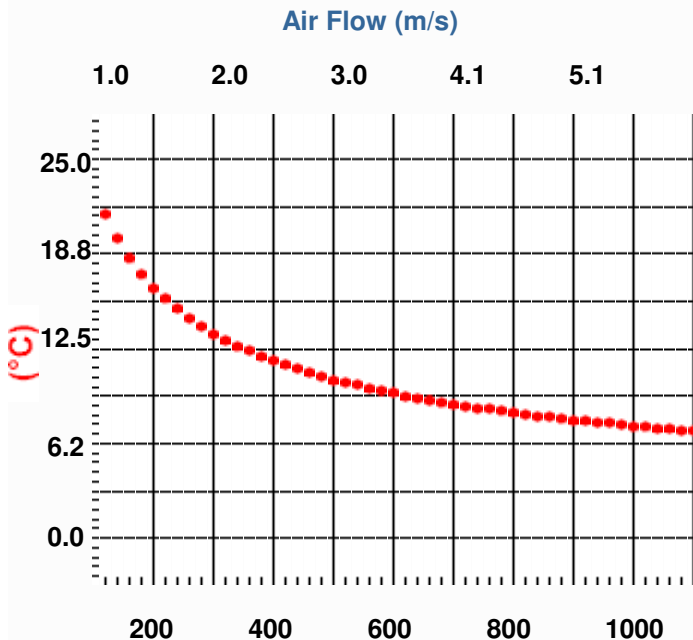


Heat Sink Thermal Resistance



**Forced Convection**

Heat Sink Temperature Rise Above Ambient (50W Dissipated)



Heat Sink Thermal Resistance

