



**Smart Heatsinks**  
Unlike Any Others

**SHS F - SERIES HEAT SINK for Variety of TO Series devices**



## F - Series Heat Sinks



Smart Heatsinks, Inc. introduces the low cost, F - series, standard heat sinks for single and dual TO-247, TO-220 and TO-218, devices. This simple heat sink can hold one TO device with adjustable height, and can be mounted simply by soldering onto PCB. The heat sink has two types of surface finishes, and can be used in either natural (free) or forced convection cooling applications. *Cross reference to AAVID P/N: 529701B02100G Series*

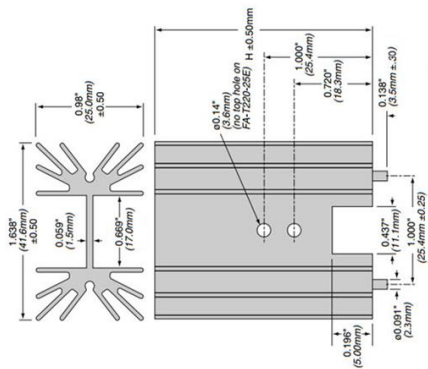
### SPECIFICATOINS

**Heat Sink:** Aluminum Alloy 6063-T5 or Equivalent with either degressed or black anodized finish.

**Solder Feet:** Pure tin plated brass

**Mounting:** Vertical through-hole PCB soldering

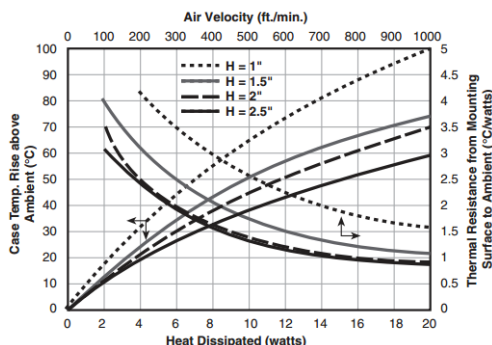
**Compliance:** Either degressed or black anodized finished parts are compliant with RoSH.



Standard Part Number	Height "H" (in / mm)	Surface Area (in <sup>2</sup> / mm <sup>2</sup> )	Weight (oz / g)	Thermal Resistance*	RECOMMENDED LAND PATTERN
FV-T220-25E FA-T220-25E	1.0 / 25.4	14.4 / 9,285	0.63 / 18	5.9 °C/w 4.8 °C/w	
FV-T220-38E FA-T220-38E	1.5 / 38.1	21.2 / 13,756	0.95 / 27	4.7 °C/w 3.8 °C/w	
FV-T220-51E FA-T220-51E	2.0 / 50.8	28.2 / 18,222	1.30 / 37	4.3 °C/w 3.4 °C/w	
FV-T220-64E FA-T220-64E	2.5 / 63.5	35.2 / 22,814	1.62 / 46	3.8 °C/w 3.0 °C/w	

\*Natural Conduction

### THERMAL PERFORMANCE



### ORDERING INFORMATION

Standard P/N	Descriptions	Packaging
FV-T220-25E	Degressed, 25.4mm height	Bulk
FA-T220-25E	Black Anodized, 25.4mm HT	Bulk
FV-T220-38E	Degressed, 38.1mm height	Bulk
FA-T220-38E	Black Anodized, 38.1mm HT	Bulk
FV-T220-51E	Degressed, 50.8mm height	Bulk
FA-T220-51E	Black Anodized, 50.8mm HT	Bulk
FV-T220-64E	Degressed, 63.5mm height	Bulk
FA-T220-64E	Black Anodized, 63.5mm HT	Bulk