

7-1542005 -4 Product Details

Live Product Chat US Only
8:30am - 5pm ET, Mon - Fri



7-1542005 -4
(HTS351B -U)
[Active](#)

Heat Sink Assemblies

[Converted to EU RoHS/ELV Compliant](#) ([Statement of Compliance](#))

Product Highlights:

- ? Heat Sink
- ? BGA
- ? Package Size = 31 [1.221] mm [in]
- ? For Use With BGA Semiconductor Packages
- ? Power Air Velocity Thermal Resistance

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Quick Links

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Documentation & Additional Information

Product Drawings:

- ? [31MM HEATSINK ASS'Y \(HTS351B -U\)](#) (PDF, English)

Catalog Pages/Data Sheets:

- ? None Available

Product Specifications:

- ? None Available

Application Specifications:

- ? None Available

Instruction Sheets:

- ? None Available

CAD Files:

- ? None Available

Additional Information:

- ? [Product Line Information](#)

Additional Product Images:

- ? [Line Drawing](#)
- ? [Thermal Resistance Chart](#)

Related Products:

- ? [Tooling](#)

[List all Documents](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- ? [Product Type](#) = Heat Sink
- ? [Device Type](#) = BGA
- ? [For Use With](#) = BGA Semiconductor Packages
- ? Finish = Black Anodize
- ? Material = Cold -Forged Aluminum
- ? Comment = Mounting clip does not increase overall heat sink height.; Heat sink assembly includes Four Leg Clip, Part Number 1542425 -1.

Electrical Characteristics:

- ? [Heat Sink Type](#) = Pin Fin 5
- ? [Fan Type](#) = Double Ball Bearing

Termination Related Features:

- ? [Height \(mm \[in\]\)](#) = 19.05 [0.750]

Body Related Features:

- ? [Package Size \(mm \[in\]\)](#) = 31 [1.221]
- ? Flammability Rating = UL 94V -0

Configuration Related Features:

- ? [Diameter \(mm \[in\]\)](#) = 50.80 [2.000]

Industry Standards:

- ? [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- ? [Lead Free Solder Processes](#) = Not relevant for lead free process
- ? RoHS/ELV Compliance History = Converted to comply with RoHS directive

Other:

- ? Brand = Tyco Electronics
- ? Line = ChipCoolers

Interrelated Features

When Power (W) is:	And Air Velocity is:	Thermal Resistance (°C) is:
5.0	0 LFM	7.66
5.0	200 LFM	4.20
5.0	400 LFM	3.15
5.0	600 LFM	2.50
5.0	With Fan	1.77
10.0	0 LFM	6.97
10.0	200 LFM	4.01
10.0	400 LFM	2.99
10.0	600 LFM	2.35
10.0	With Fan	1.71
15.0	0 LFM	6.51
15.0	200 LFM	3.90
15.0	400 LFM	2.95
15.0	600 LFM	2.28
15.0	With Fan	1.69