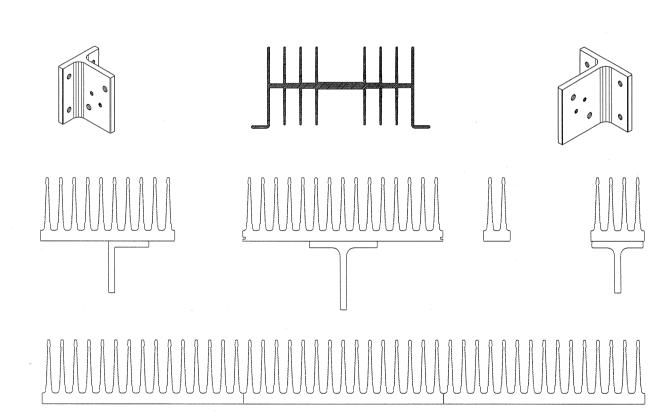


### **HEATSINK**

### CATALOGUE





### **CASA Modular Systems**

Phone - (64-4) 568 7277 FAX - (64-4) 568 5161

79 Fitzherbert Street P.O. Box 38—828 PETONE, Wellington





### General Terms of Business

Introduction 17/11/93

In the absence of other written terms (or contractual conditions) the following general terms and conditions of business shall apply in respect of goods **manufactured** by CASA Modular Systems.

**QUALITY** - All goods manufactured by **CASA** are deemed to be suitable for the purposes for which they are designed, will perform within practical engineering limits and the specifications described on **CASA's** published literature.

**WARRANTY** - Within a period of 12 months from the date of supply, any goods which prove to be defective will be repaired or replaced **FREE OF CHARGE** (fair wear and tear accepted). Return, and/or, replacement of goods will be at the discretion of **CASA** and subject to our inspection.

**RETURNS** - Any goods returned under warranty must be accompanied by proof of purchase (copy of our invoice or sale docket), an adequate description of the fault, suitably packed and consigned **freight pre-paid** to our office.

LIABILITY - CASA's liability is limited to one of the following :-

- a) the repair (by our staff on our premises, or by our duly appointed agent) or
- b) the **replacement** with new or substitute goods or (failing the availablity of effective repair or replacement)
- c) the **refund** of the current value of the goods, not exceeding the original purchase price.

**OWNERSHIP** - Until full payment is received, legal title to goods supplied resides with CASA Modular Systems (or its appointed Agents).

**PAYMENT** - Unless an "Approved Credit Account" already exists, payment in full must be made prior to delivery. (Applications for CREDIT Terms require to be made on CASA's special form which will be supplied upon request)

**PRICES** - Published prices are subject to change without notice. Unless prices are established by written quotation the prices charged will be those in effect at the date of dispatch.

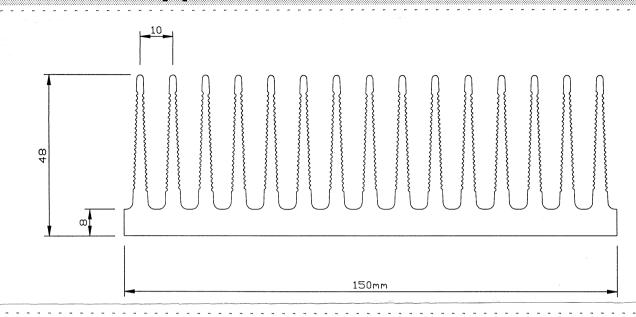
**GENERAL** - Should conditions arise which are not covered by the above interpretation will be made according to current N.Z. Legislation.

P.O. Box 38-828 PETONE, Wellington Phone - (64-4) 568 7277 FAX - (64-4) 568 5161

Date - 11th November, 1992

Ref - HS-4159.FRP

### Type 4159 Heatsink



This propritory FLAT-BACK Heatsink has been designed to satisfy applications where a high thermal mass (high transient dissipation) is required together with a flat mounting surface for RF, Audio, Industrial or other Semiconductor Power Devices.

Custom machining can be undertaken by CASA to suit special requirements. "TEE" adaptors are available pre-punched for TO3 or manufactured to suit other packages and Customer special needs (please enquire giving details of desired features and facilities, quantities etc.).

Standard STOCK lengths are choosen to match the Rear Panel Heights of CASA Rack Mounting Modules. Other lengths (in any quantity 1-10,000) can be quickly and ecconomically processed. CASA has 20 years experience in professional quality Heatsink manufacturing and is happy to discuss adaptations of CASA standard extrusions, new designs and any other variations or features which you may require.

Standard Lengths:-75mm (2 unit) 120mm (3 unit) 165mm (4 unit) 210mm (5 unit) Special Lengths to order:-50mm-2500mm **Cutting Tolerance:-**+/- 0.1mm (to 500mm) Finishes:-Natural **Black Anodized** (full deburring of all holes & edges is standard) Fixing Holes:-Tapped M4/M5 etc (Custom mountings)

Thermal Rating:(measured on 75mm sample, natural finish)

Weight:
Periphery:- (multiply by length for surface area)

Crossection:- (sectional area of extrusion)

Material:- (Extruded Aluminum Alloy to BS-1474)

est 0.9°C/Watt @ 25°C

ambient temperature

8.036Kg/metre

1733.7mm

2965.1sq mm

AA6063-T5

### Part Number: - HS-4159-xx-F(special adder/suffix)

Please compose a Part Number according to this system and use on your official order.

Specification Details:-

**HS-** Prefix to indicate "HEATSINK" or related products or accessories. **4159-** CASA's EXTRUSION or TYPE / Reference number.

59- CASA'S EXTRUSION of TYPE / Reference number

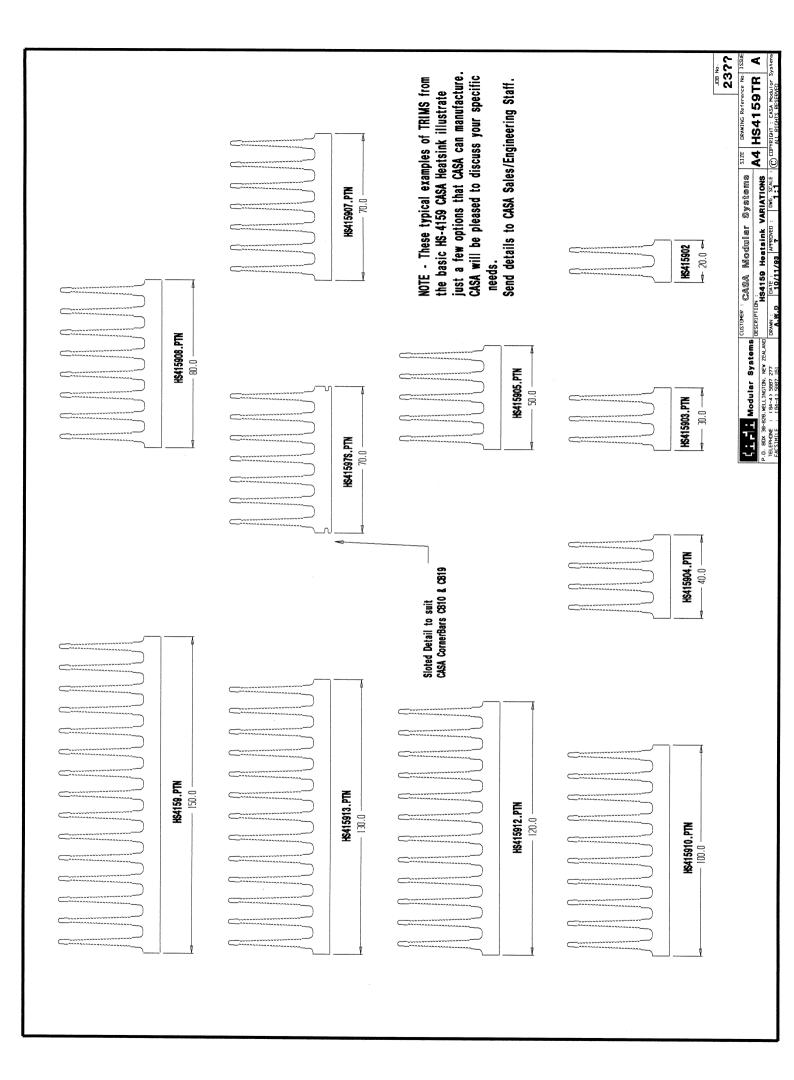
**XX-** Overall cut LENGTH in milimeters.

F- The FINISH applied to the part (N = Natural, B = Black Anodized)

(-----) Special adder or suffix for brief customer reference detail.





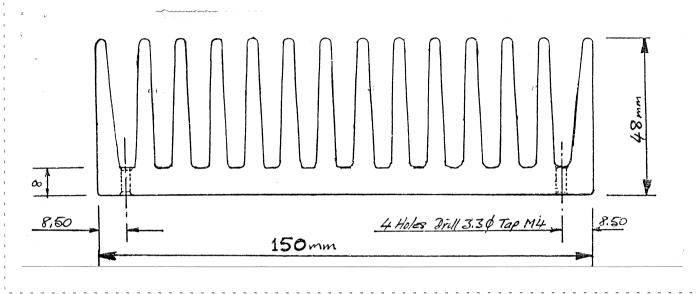


P.O. Box 38-828 PETONE, Wellington Phone - (64-4) 568 7277 FAX - (64-4) 568 5161

Date - 6th October, 1992

Ref - HS-10446.FRP

### Type 10446 Heatsink



This propritory FLAT-BACK Heatsink has been designed to satisfy applications where a high thermal mass (high transient dissipation) is required together with a flat mounting surface for RF, Audio, Industrial or other Semiconductor Power Devices.

Custom machining can be undertaken by CASA to suit special requirements. "TEE" adaptors are available pre-punched for TO3 or manufactured to

suit other packages and Customer special needs (please enquire giving details of desired features and facilities, quantities etc.).

Standard STOCK lengths are choosen to match the Rear Panel Heights of CASA Rack Mounting Modules. Other lengths (in any quantity 1-10,000) can be quickly and ecconomically processed. CASA has 20 years experience in professional quality Heatsink manufacturing and is happy to discuss adaptations of CASA standard extrusions, new designs, custom machining and any other variations or features which you may require.

### Specification Details:-

Standard Lengths:-	75mm (2 unit)
<b>G</b>	120mm (3 unit)
	165mm (4 unit)
	210mm (5 unit)
Special Lengths to order:-	50mm-2500mm
Cutting Tolerance:-	+/- <b>0.1mm</b> (to 500mm)
Finishes:-	Natural
(full deburring of all holes & edges is standard)	Black Anodized
Fixing Holes:-	Tapped M4/M5 etc
•	(Custom mountings)
Thermal Rating:-	1°C/Watt @ 25°C
(measured on 75mm sample, natural finish)	ambient temperature
Weight:-	8.988Kg/metre
Periphery:- (multiply by length for surface area)	1399mm
Crossection:- (sectional area of extrusion)	3300sq mm \
Material:- (Extruded Aluminum Alloy to BS-1474)	AA6063-T5

### Part Number:- HS-10446-xx-F(special adder/suffix)

Please compose a Part Number according to this system and use on your official order. HS- Prefix to indicate "HEATSINK" or related products or accessories.

**10446-** CASA's EXTRUSION or TYPE / Reference number.

**XX-** Overall cut LENGTH in milimeters.

F- The FINISH applied to the part (N = Natural, B = Black Anodized)

(-----) Special adder or suffix for brief customer reference detail.





[日日日] modular systems Drawn - 5/5/92 By - AUD. Approx outline of "T" adaptor CASA Rack Module Front/Kear Panel Justom HS-10446-XX (XI33) HEATSINK 431,8mm (17,0") Fixing 100 for Front or Rear Wodule Arrangement divaving for :-12 Fixing hole M4



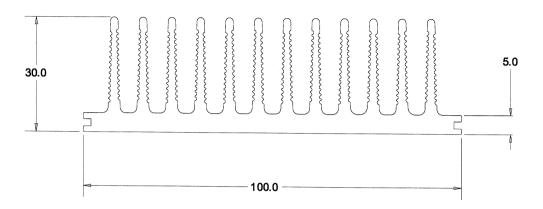
CASA Modular Systems Ltd P.O. Box 38-828. Wellington Phone - (64-4) 9393 777 FAX - (64-4) 9393 778

Date - 17th June, 2000

E-Mail sales@casa.co.nz

Ref - HS-5048.FRP

### Type 5048 Heatsink



This proprietary FLAT-BACK Heatsink has been designed to satisfy applications where a MEDIUM thermal mass (transient dissipation) is required together with a flat mounting surface for RF, Audio, Industrial or other Semiconductor Power Devices

Grooves are provided at each side to provide a sliding fit to CASA's Corner Bar Extrusions CB10, CB19 (and the proposed CB20) details of which are contained on separate data sheets. These grooves may also be used for fixing cleats or covers etc. Matching grooves can be machined in the ends when required.

Custom machining can be undertaken by CASA to suit special requirements. "TEE" adaptors are available pre-punched for TO3 or manufactured to suit other packages and Customer special needs (please enquire giving details of desired features and facilities, quantities etc.).

Standard STOCK lengths are chosen to match the Rear Panel Heights of CASA Rack Mounting Modules. Other lengths (in any quantity 1-10,000) can be quickly and economically processed. CASA has 20 years experience in professional quality Heatsink manufacturing and is happy to discuss adaptations of CASA standard extrusions, new designs and any other variations or features which you may require.

### Specification Details:-**Standard Lengths:** 75mm (2 unit) 120mm (3 unit) 165mm (4 unit) 210mm (5 unit) Special Lengths to order: 50mm-2500mm **Cutting Tolerance:** +/- 0.1mm (to 500mm) Finishes: **Natural** (full deburring of all holes & edges is standard) **Black Anodized Fixing Holes:** Tapped M3/M4/M5 etc. (Custom mountings) **Thermal Rating:** est. 1.9ºC/Watt @ 25ºC (measured on 75mm sample, convection cooled with fins vertical) ambient temperature Weight: 3.102Kg/metre Periphery: (multiply by length for surface area) 927.2mm **Cross-section:** (sectional area of extrusion) 1144.sq. mm Material: (Extruded Aluminum Alloy to BS-1474) AA6063-T5

### Intelligent Part Number:- HS-5084-Tz-xx-F(special adder/suffix)

Please compose a Part Number according to this system and use on your official order.

HS- Prefix to indicate "HEATSINK" or related products or accessories.

5084- CASA's EXTRUSION or TYPE / Reference number.

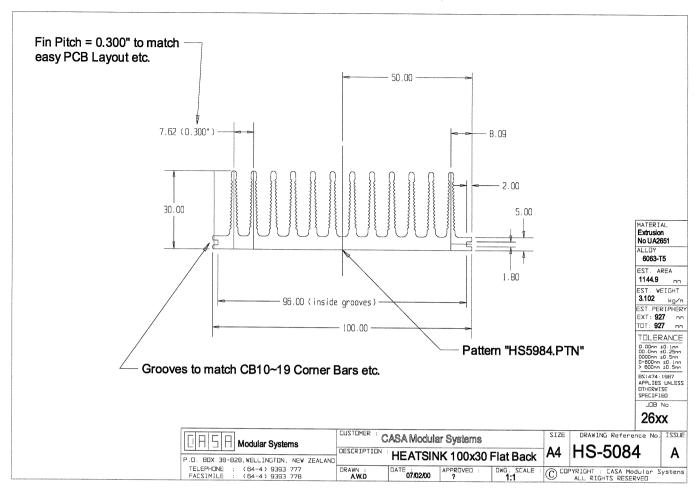
Tz- Optional Trim to custom size - where "z" = number of fins.

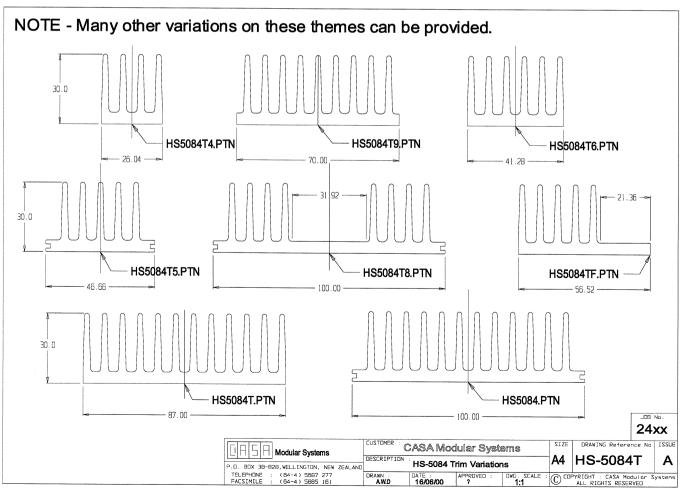
Overall cut LENGTH in millimetres.

The FINISH applied to the part (N=Natural, B=Black Anodized) Special adder or suffix for brief customer reference detail.









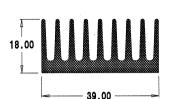


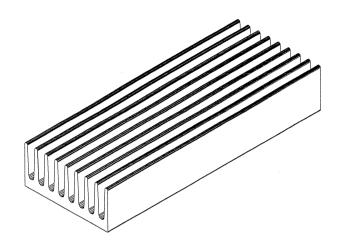
P.O. Box 38-828 **PETONE, Wellington** Phone - (64-4) 568 7277 FAX - (64-4) 568 5161

Date - 24th March, 1994

Ref - HS-2068.FRP

### Type 2068 Heatsink





This propritory FLAT-BACK Heatsink has been designed to satisfy applications where a modest thermal mass (moderate dissipation) is required together with a flat mounting surface for RF, Audio, Industrial or other Semiconductor Power Devices. Custom machining can be undertaken by CASA to suit special requirements (please enquire giving details of desired features, quantities etc.). Standard STOCK lengths are choosen to match the Rear Panel Heights of CASA Rack Mounting Modules. Other lengths or TRIMs of the basic profile (in any quantity 1-10,000) can be quickly and ecconomically processed. See reverse of this leaflet for suggestions. CASA has 20 years experience in professional quality Heatsink manufacturing and is happy to discuss adaptations of CASA standard extrusions, new designs and any other variations or features which you may require.

Specifica	ation Details:-	
	Standard Lengths:-	75mm (2 unit)
		120mm (3 unit)
		165mm (4 unit)
		210mm (5 unit)
	Special Lengths to order:-	25mm-2500mm
	Cutting Tolerance:-	+/- <b>0.1mm</b> (to 500mm)
	Finishes:-	Natural
	(full deburring of all holes & edges is standard)	Black Anodized
	Fixing Holes:-	Tapped M3/M4 etc
		(Custom mountings)
	Thermal Rating:-	est 4.5°C/Watt @ 25°C
	(measured on 75mm sample, natural finish)	ambient temperature
	Weight:-	1.025Kg/metre
	Periphery:- (multiply by length for surface area)	317mm
	Crossection:- (sectional area of extrusion)	378sq mm
	Material:- (Extruded Aluminum Alloy to BS-1474)	AA6063-T5

### Part Number:- HS-2068-xx-F(special adder/suffix)

Please compose a Part Number according to this system and use on your official order.

**HS-** Prefix to indicate "HEATSINK" or related products or accessories.

**2068-** CASA's EXTRUSION or TYPE / Reference number.

XX- Overall cut LENGTH in milimeters.

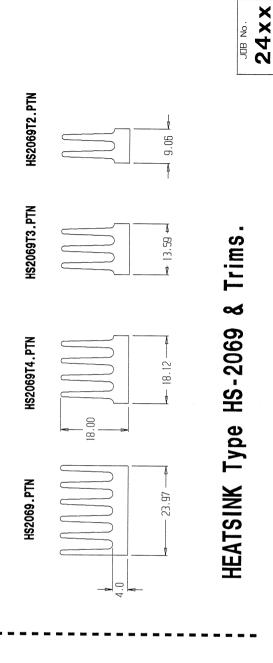
The FINISH applied to the part (N=Natural, B=Black Anodized)

----) Special adder or suffix for brief customer reference detail.





### HS2068T2.PTN 9,42 HS2068T3.PTN Flat Back HEATSINK Type HS-2068 and Variants. HS2068T4.PTN — 18.84· HS2068T5.PTN 23.55 -HS2068T6.PTN HS2068T7.PTN HS2068.PTN



ase send details of	ır exact requirements	sample production.
Please	your	for s

gauging/trimming on our precision dimensioning saw.

NOTE - Adjustments in the width

can be readily provided by

FIPER Modular Systems	CUSTOMER :	JASA Me	odular (	CLISTOMER: CASA Modular Systems		SIZE DRAWING Reference No. ISSUE	ISSU
	DESCRIPTION				77	A4 HS - 2068T	4
P.O. BOX 38-828, WELLINGTON, NEW ZEALAND	0	MAS HEATSINK & Trims	ITSINK &		-	2004	
TELEPHONE : (64-4) 5687 277	DRAWN :	DATE :	APPROVED :	DWG. SCALE :		YRIGHT : LASA Modulor	Sveteme
FACSIMILE : (64-4) 5685 161	A.W.D	A.W.D 12/03/94 ?	&	1:1		3/94 % 1:1 (C) ALL RIGHTS RESERVED	א א אינו וי

P.O. Box 38-828 PETONE, Wellington Phone - (64-4) 568 7277 FAX - (64-4) 568 5161

50mm + 75mm (2 unit)

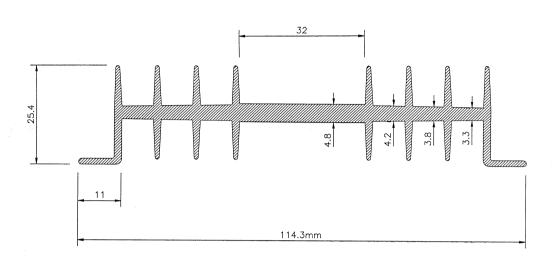
120mm (3 unit) 165mm (4 unit)

AA6063-T5

Date - 14th November, 1992

Ref - HS-1635.FRP

### Type 1635 Heatsink



This LOW PROFILE Heatsink has been designed to satisfy general purpose applications for MEDIUM DUTY Audio, Industrial or other Semiconductor Medium Power Devices.

Custom machining can be undertaken by CASA to suit special requirements. STANDARD Heatsinks are available pre-punched for TO3 devices or manufactured to suit other packages and Customer special needs (please enquire giving details of desired features and facilities, quantities etc.). Standard STOCK lengths are choosen to match the Rear Panel Heights of CASA Rack Mounting Modules. Other lengths (in any quantity 1-10,000) can be quickly and ecconomically processed. CASA has 20 years experience in professional quality Heatsink manufacturing and is happy to discuss adaptations of CASA standard extrusions, new designs and any other variations or features which you may require.

### Specification Details:-Standard Lengths:-

	210mm (5 unit)
Special Lengths to order:-	25mm-2500mm
Cutting Tolerance:-	+/- <b>0.1mm</b> (to 500mm)
Finishes:-	Natural

(full deburring of all holes & edges is standard) Black Anodized

**Fixing Holes:-**Holes or Slots etc (Custom mountings) Thermal Rating:est 2.4°C/Watt @ 25°C

(measured on 75mm sample, natural finish) ambient temperature Weight:-1.828Kg/metre Periphery:- (multiply by length for surface area) 541.9mm Crossection: (sectional area of extrusion) 674.6sq mm

Material:- (Extruded Aluminum Alloy to BS-1474) Part Number:- HS-1635-xx-F(special adder/suffix)

Please compose a Part Number according to this system and use on your official order.

**HS-** Prefix to indicate "HEATSINK" or related products or accessories. **1635-** CASA's EXTRUSION or TYPE / Reference number.

**XX-** Overall cut LENGTH in milimeters.

F- The FINISH applied to the part (N = Natural, B = Black Anodized)

----) Special adder or suffix for brief customer reference detail.





P.O. Box 38-828 PETONE, Wellington Phone - (64-4) 568 7277 FAX - (64-4) 568 5161

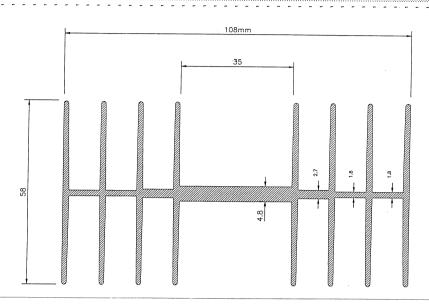
50mm + 75mm (2 unit)

120mm (3 unit)

Date - 15th November, 1992

Ref - HS-1632.FRP

### Type 1632 Heatsink



This Heatsink has been designed to satisfy general purpose applications for MEDIUM DUTY Audio, Industrial or other Semiconductor Medium Power Devices.

Custom machining can be undertaken by CASA to suit special requirements. STANDARD Heatsinks are available pre-punched for TO3 devices or manufactured to suit other packages and Customer special needs (please enquire giving details of desired features and facilities, quantities etc.). Standard STOCK lengths are choosen to match the Rear Panel Heights of CASA Rack Mounting Modules. Other lengths (in any quantity 1-10,000) can be quickly and ecconomically processed. CASA has 20 years experience in professional quality Heatsink manufacturing and is happy to discuss adaptations of CASA standard extrusions, new designs and any other variations or features which you may require.

### Specification Details:-Standard Lengths:-

165mm (4 unit) 210mm (5 unit) Special Lengths to order:-25mm-2500mm **Cutting Tolerance:-**

+/- 0.1mm (to 500mm) Finishes:-Natural

(full deburring of all holes & edges is standard) **Black Anodized** 

Fixing Holes:-Holes or Slots etc (Custom mountings) Thermal Rating:-

est 1.6°C/Watt @ 25°C (measured on 75mm sample, natural finish) ambient temperature Weight:-2.915Kg/metre

Periphery:- (multiply by length for surface area) 1092.5mm Crossection: - (sectional area of extrusion) 1075.8sq mm

Material:- (Extruded Aluminum Alloy to BS-1474) AA6063-T5

### Part Number:- HS-1632-xx-F(special adder/suffix)

Please compose a Part Number according to this system and use on your official order.

HS- Prefix to indicate "HEATSINK" or related products or accessories. **1632-** CASA's EXTRUSION or TYPE / Reference number.

**XX-** Overall cut LENGTH in milimeters.

F- The FINISH applied to the part (N = Natural, B = Black Anodized)

(-----) Special adder or suffix for brief customer reference detail.



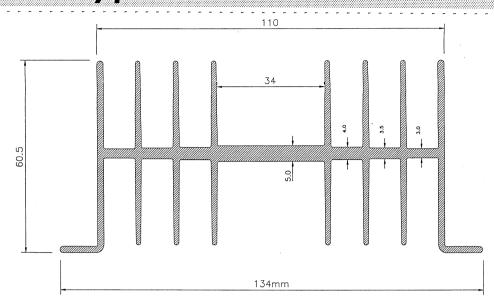


P.O. Box 38-828 PETONE, Wellington Phone - (64-4) 568 7277 FAX - (64-4) 568 5161

Date - 15th November, 1992

Ref - HS-1633.FRP

### Type 1633 Heatsink



This TRADITIONAL PROFILE Heatsink has been designed to satisfy general purpose applications for MEDIUM DUTY Audio, Industrial or other Semiconductor Medium Power Devices.

Custom machining can be undertaken by CASA to suit special requirements. STANDARD Heatsinks are available pre-punched for TO3 devices or manufactured to suit other packages and Customer special needs (please enquire giving details of desired features and facilities, quantities etc.). Standard STOCK lengths are choosen to match the Rear Panel Heights of CASA Rack Mounting Modules. Other lengths (in any quantity 1-10,000) can be quickly and ecconomically processed. CASA has 20 years experience in professional quality Heatsink manufacturing and is happy to discuss adaptations of CASA standard extrusions, new designs and any other variations or features which you may require.

### Specification Details:-

Standard Lengths:-	50mm + 75mm (2 unit)
	120mm (3 unit)
	165mm (4 unit)
	210mm (5 unit)
Special Lengths to order:-	50mm-2500mm
Cutting Tolerance:-	+/- 0.1mm (to 500mm)
Finishes:-	Natural
(full deburring of all holes & edges is standard)	Black Anodized
Fixing Holes:-	Holes or Slots etc
-	(Custom mountings)
Thermal Rating:-	est 1.4°C/Watt @ 25°C
(measured on 75mm sample, natural finish)	ambient temperature
Weight:-	3.467Kg/metre
Periphery:- (multiply by length for surface area)	1129.8mm
Crossection:- (sectional area of extrusion)	1279.5sq mm
Material:- (Extruded Aluminum Alloy to BS-1474)	AA6063-T5

### Part Number:- HS-1633-xx-F(special adder/suffix)

Please compose a Part Number according to this system and use on your official order.

- HS- Prefix to indicate "HEATSINK" or related products or accessories.
- 1633- CASA's EXTRUSION or TYPE / Reference number.
  - **XX-** Overall cut LENGTH in milimeters.
  - F- The FINISH applied to the part (N = Natural, B = Black Anodized)

(-----) Special adder or suffix for brief customer reference detail.



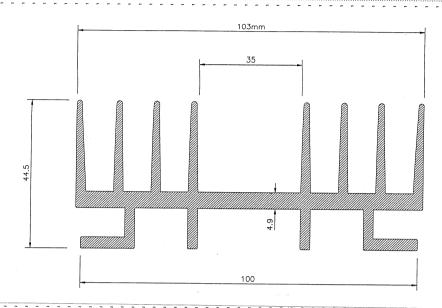


P.O. Box 38-828 PETONE, Wellington Phone - (64-4) 568 7277 FAX - (64-4) 568 5161

Date - 15th November, 1992

Ref - HS-1634.FRP

### Type 1634 Heatsink



This DOUBLE SIDED Heatsink with internal fixing flanges/feet has been designed to satisfy general purpose applications for MEDIUM DUTY Audio, Industrial or other Semiconductor Medium Power Devices.

Custom machining can be undertaken by CASA to suit special requirements. STANDARD Heatsinks are available pre-punched for TO3 devices or manufactured to suit other packages and Customer special needs (please enquire giving details of desired features and facilities, quantities etc.). Standard STOCK lengths are choosen to match the Rear Panel Heights of CASA Rack Mounting Modules. Other lengths (in any quantity 1-10,000) can be quickly and ecconomically processed. CASA has 20 years experience in professional quality Heatsink manufacturing and is happy to discuss adaptations of CASA standard extrusions, new designs and any other variations or features which you may require.

### **Specification Details:-**

Standard Lengths:-	50mm + 75mm (2 unit)
	120mm (3 unit)
	165mm (4 unit)
	210mm (5 unit)
Special Lengths to order:-	25mm-2500mm
Cutting Tolerance:-	+/- 0.1mm (to 500mm)
Finishes:-	Natural
(full deburring of all holes & edges is standard)	Black Anodized
Fixing Holes:-	Holes or Slots etc
	(Custom mountings)
Thermal Rating:-	est 2.2°C/Watt @ 25°C
(measured on 75mm sample, natural finish)	ambient temperature
Weight:-	3.33Kg/metre
Periphery:- (multiply by length for surface area)	788.7mm
Crossection:- (sectional area of extrusion)	1228.7sq mm
Material:- (Extruded Aluminum Alloy to BS-1474)	AA6063-T5

### Part Number: - HS-1634-xx-F(special adder/suffix)

Please compose a Part Number according to this system and use on your official order. HS- Prefix to indicate "HEATSINK" or related products or accessories.

**1634-** CASA's EXTRUSION or TYPE / Reference number.

**XX-** Overall cut LENGTH in milimeters.

F- The FINISH applied to the part (N = Natural, B = Black Anodized)

-----) Special adder or suffix for brief customer reference detail.



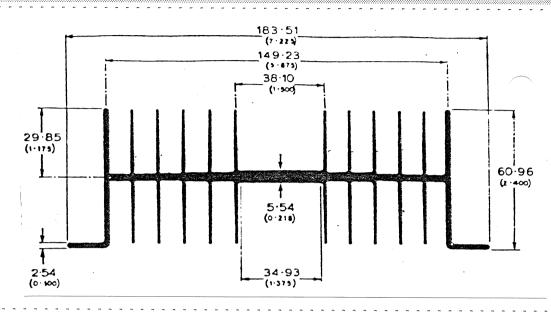


P.O. Box 38-828 PETONE, Wellington Phone - (64-4) 568 7277 FAX - (64-4) 568 5161

Date - 15th November, 1992

Ref - HS-55D.FRP

### Type 55D Heatsink



This DOUBLE SIDED Heatsink (Designed by Philips Electrica; Ind) will satisfy many general purpose applications for MEDIUM DUTY Audio, Industrial or other Semiconductor Medium Power Devices.

Custom machining can be undertaken by CASA to suit special requirements. STANDARD Heatsinks are available pre-punched for TO3 devices or manufactured to suit other packages and Customer special needs (please enquire giving details of desired features and facilities, quantities etc.). Standard STOCK lengths are choosen to match the Rear Panel Heights of CASA Rack Mounting Modules. Other lengths (in any quantity 1-10,000) can be quickly and ecconomically processed. CASA has 20 years experience in professional quality Heatsink manufacturing and is happy to discuss adaptations of CASA standard extrusions, new designs and any other variations or features which you may require.

### Standard Lengths:-50mm + 75mm (2 unit) 120mm (3 unit) 165mm (4 unit) 210mm (5 unit) Special Lengths to order:-25mm-2500mm **Cutting Tolerance:-**+/- 0.1mm (to 500mm) Finishes:-Natural (full deburring of all holes & edges is standard) **Black Anodized** Fixing Holes:-Holes or Slots etc (Custom mountings) Thermal Rating:est 1.5°C/Watt @ 25°C (measured on 75mm sample, natural finish) ambient temperature

### Part Number:- HS-55D-xx-F(special adder/suffix)

Material: (Extruded Aluminum Alloy to BS-1474)

**Crossection:**- (sectional area of extrusion)

**Periphery:** (multiply by length for surface area)

Please compose a Part Number according to this system and use on your official order. **HS-** Prefix to indicate "HEATSINK" or related products or accessories. **55D-** CASA's EXTRUSION or TYPE / Reference number.

XX- Overall cut LENGTH in milimeters.

F- The FINISH applied to the part (N = Natural, B = Black Anodized) (-----) Special adder or suffix for brief customer reference detail.

JC[0] ----

Specification Details:-

Weight:-



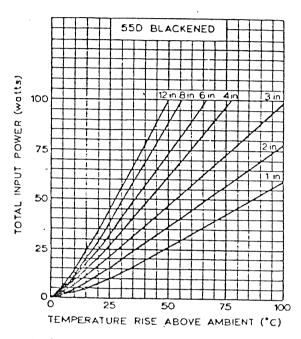
5.0Kg/metre

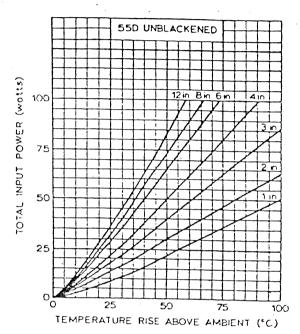
est 1800mm

xxxsq mm

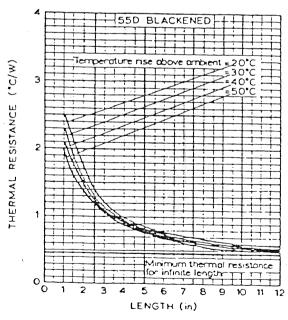
AA6063-T5

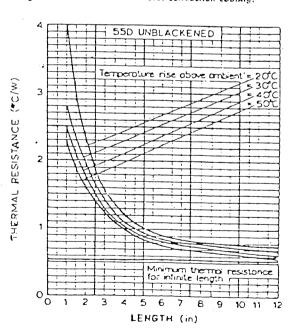
### Teetmied Information Heatsick Type 55D.





Total input power versus rise above ambient temperature for various longths of extrusion with natural convection cooling.





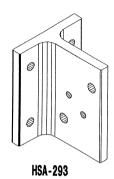
Thermal resistance versus extrusion length, for various rises above ambient temperature and with natural convection cooling.

P.O. Box 38-828 PETONE, Wellington Phone - (64-4) 568 7277 FAX - (64-4) 568 5161

Date - 12th November, 1993

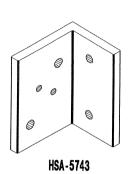
Ref - HS-ADAPT.FRP

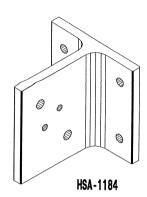
### Heatsink ADAPTORS



Specification Details:-

Weight:-





The above illustrate some examples of CASA's propritory Heatsink ADAPTORS which have been designed to achieve efficient thermal transfer between Power Semicondictors on to CASA's Flatback Heatsinks, Panels or External heat disipating devices etc. Typical applications include RF, Audio, Industrial or other Semiconductor Power Equipments.

Custom machining can be undertaken by CASA to suit special requirements. A limited range of standard adaptors are available pre-punched for TO3 or manufactured to suit other packages and Customer special needs (please enquire giving details of desired features and facilities, quantities etc.). Standard STOCK lengths are choosen to match the Rear Panel Heights of CASA Rack Mounting Modules. Other lengths (in any quantity 1-10,000) can be quickly and ecconomically processed. CASA has 20 years experience in professional quality Heatsink manufacturing and is happy to discuss adaptations of CASA standard extrusions, new designs and any other variations or features which you may require.

### Standard Lengths:-50mm (2 unit) 100mm (3 unit) 150mm (4 unit) 200mm (5 unit) Special Lengths to order:-50mm-2500mm **Cutting Tolerance:-**+/- 0.1mm (to 500mm) Finishes:-**Natural** (full deburring of all holes & edges is standard) **Black Anodized** Fixing Holes:-4.3mm or M4/M5 etc (Custom mountings) **Thermal Rating:**est 0.X°C/Watt @ 25°C (measured on 50mm sample, natural finish)

### Part Number:- HSA-XXXX-xx-F(special adder/suffix)

Material: - (Extruded Aluminum Alloy to BS-1474)

Periphery:- (multiply by length for surface area)

Crossection:- (sectional area of extrusion)

Please compose a Part Number according to this system and use on your official order.

HS- Prefix to indicate "HEATSINK" or related products or accessories. XXXX- CASA's EXTRUSION or TYPE / Reference number from above

**XX-** Overall cut LENGTH in milimeters.

F- The FINISH applied to the part (N = Natural, B = Black Anodized)

(-----) Special adder "TO3" etc. or suffix for brief customer reference detail



CASA File Ref: DATA-SHT.FRP 10/11/92



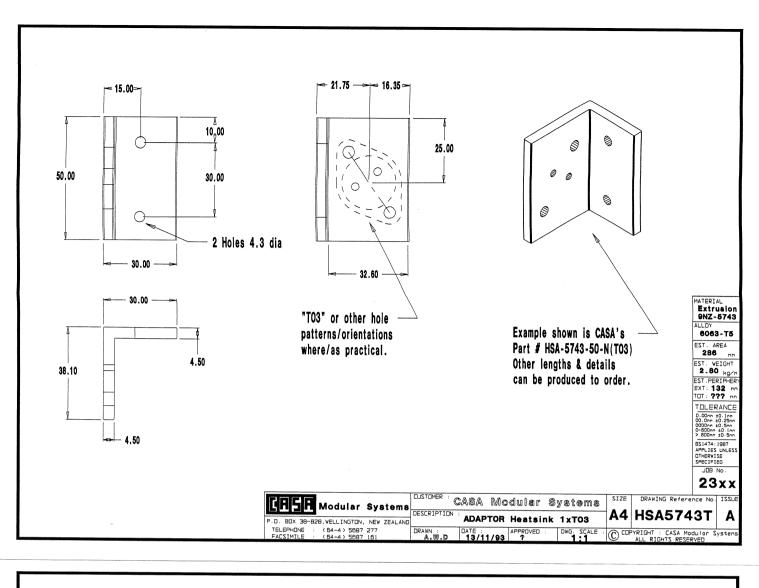
ambient temperature

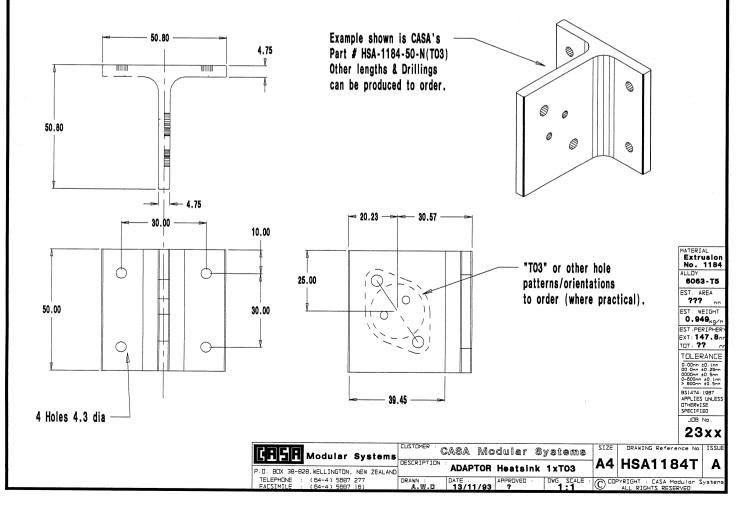
x.x Kg/metre

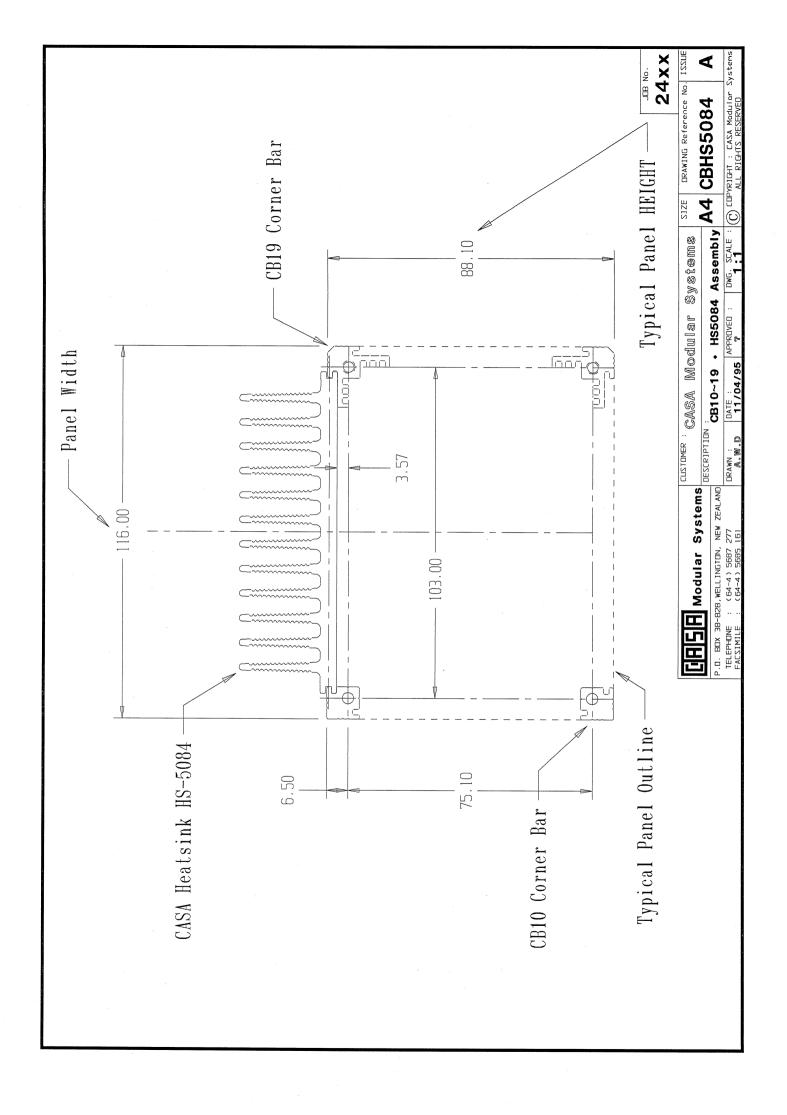
xx mm

xx sq mm

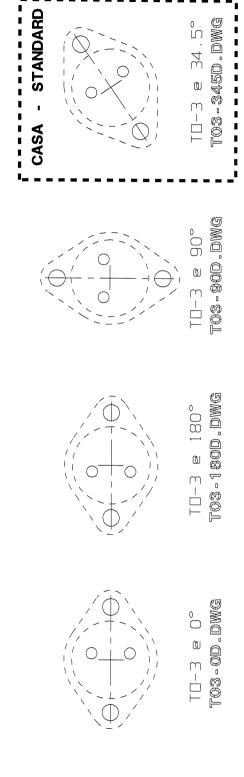
AA6063-T5



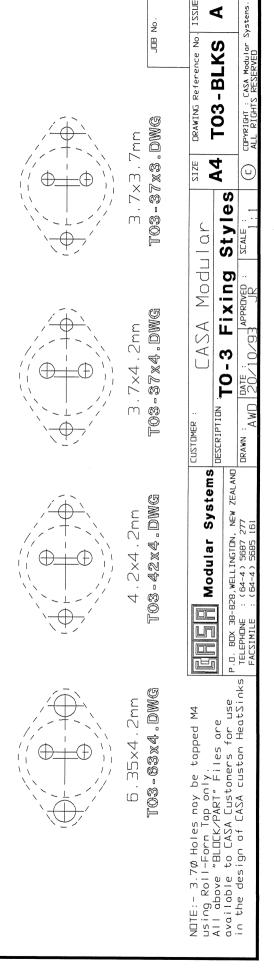




# JEDEC Type "TO-3" (TO-204) Fixing Hole Styles/Sizes



## CASA Standard "TO-3" Fixing Hole Sizes



JOB No.

