



CAST ALUMINUM

Solutions

STANDARD 200mm & 300mm Standard Aluminum Platen Heaters

QUICK SOLUTIONS FOR WAFER FABRICATION

Customers can now save thousands of dollars with off-the-shelf designs since there are no additional costs for engineering, tooling or casting mold creation.

This platen heater design is ideal for prototype machine trials or engineering experiments as well as temporary repairs until custom heaters can be manufactured. CAS platen heaters provide a complete turnkey solution and are available in anodized finish, or in bare machined

aluminum 356 with optional add-on features. The stock anodized cast aluminum platen heaters are complete, ready to install parts and are available for shipment within one business day.

APPLICATIONS

Semiconductor Processing

Semiconductor research and development

FEATURES AND BENEFITS

Stock delivery

WR200-2A and WR300-2A ship within one business day to reduce down time

Assures a cost effective option for 200 and 300 mm wafer processing

World class performance

"Cast-in" reliability assures long product life

Operating temperatures up to 752°F (400°C) for a wide range of process applications

Surface temperature uniformity of $\pm 0.3\%$ of set point assures wafer processing accuracy

SPECIFICATIONS

Standard Features (All Models)

Material: Aluminum alloy 356

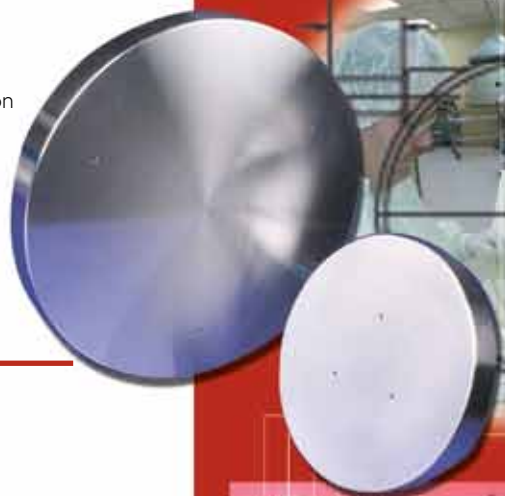
Surface Flatness: < 0.0005 in. (0.013 mm)

Surface Temperature Uniformity: $\pm 0.3\%$ of set point based on measurements at laboratory ambient conditions

Cleaning: Ultrasonic wash followed by IPA wipe down

Hard Anodize Thickness: 0.002 in. (0.05 mm) per

MIL-A-8525, Type III, Class I (models WR200-2A and WR300-2A only)



MODEL WR200-2A

200mm Anodized Platen Heater

SPECIFICATIONS

MODEL WR200-2A
MODEL WR200-2B

Diameter: 9 in. (228.6 mm)

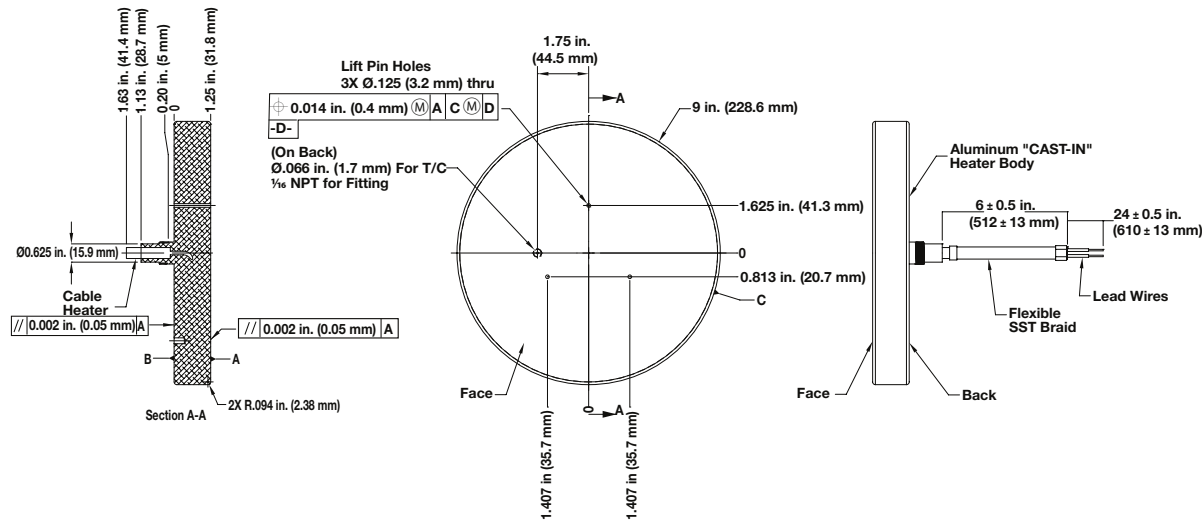
Thickness: 1.25 in. (31.75 mm)

(3X) Lift Pin Holes diameter 0.125 in. (3.2mm) equally spaced 120° on 3.25 in. (82.55 mm) perfect circle diameter

(1X) Thermocouple hole diameter 0.066 in. (1.68 mm) with 1/16 NPT tap for fitting

“Cast-in” cable heater rated 1681 W at 208V (or 2241 W when operated at 240V)

DIMENSIONS



ORDERING INFORMATION

WR200-2A Series Platen With Hardcoat Anodize Finish: Reference drawing above
Rating: Typical 208V, 1681 W, Maximum 240V, 2241 W, Part is ultrasonic washed followed by IPA wipe down prior to packaging, Delivery 6-8 wks

Item:
No thermocouple included
Thermocouple, Type K, 6 in. (152 mm) sheath + fitting
Thermocouple, Type J, 6 in. (152 mm) sheath + fitting
Thermocouple, Type K, 12 in. (305 mm) sheath + fitting
Thermocouple, Type J, 12 in. (305 mm) sheath + fitting

Code Number:
WR200-2A
WR200-3A
WR200-4A
WR200-5A
WR200-6A

MODEL WR200-2B

200mm Bare Machined Aluminum Platen Heater

ORDERING INFORMATION

WR200-2B Series Platen With Bare Machined Aluminum Finish: Reference drawing above
Rating: Typical 208V, 1681 W, Maximum 240V, 2241 W, Part is ultrasonic washed followed by IPA wipe down prior to packaging, Delivery 4-6 wks

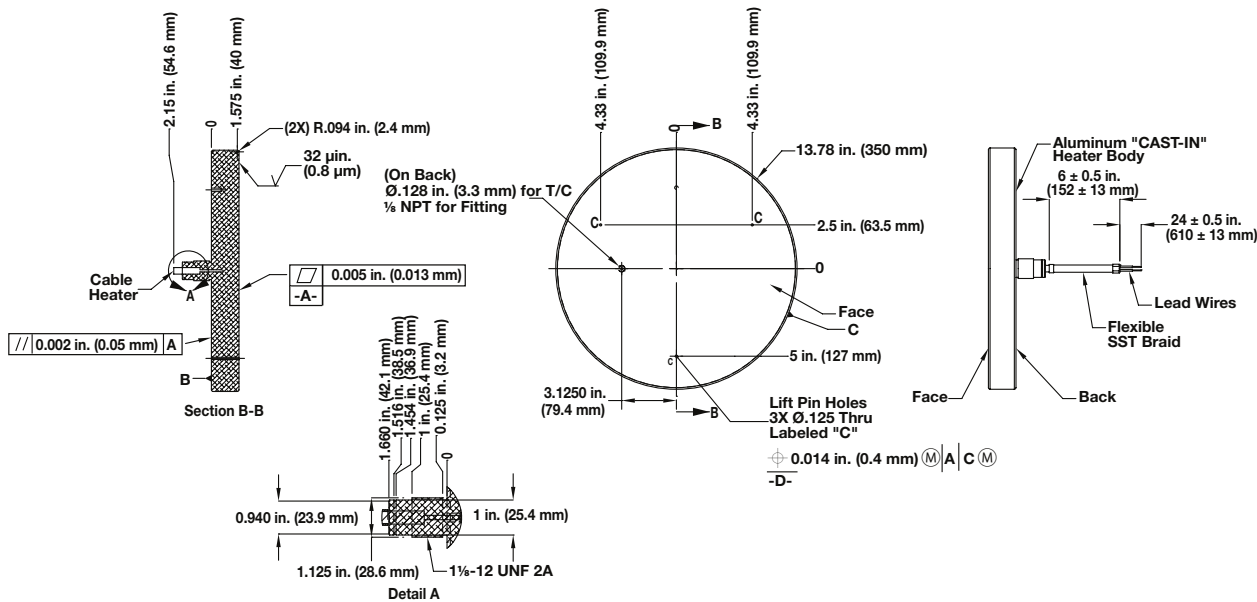
Item:
No thermocouple included
Thermocouple, Type K, 6 in. (152 mm) sheath + fitting
Thermocouple, Type J, 6 in. (152 mm) sheath + fitting
Thermocouple, Type K, 12 in. (305 mm) sheath + fitting
Thermocouple, Type J, 12 in. (305 mm) sheath + fitting

Code Number:
WR200-2B
WR200-3B
WR200-4B
WR200-5B
WR200-6B

MODEL WR300-2A

300mm Anodized Platen Heater

DIMENSIONS



SPECIFICATIONS

MODEL WR300-2A

MODEL WR300-2B

Diameter: 13.78 in. (350 mm)

Thickness: 1.575 in. (40 mm)

(3X) Lift Pin Holes diameter 0.125 in. (3.2mm) equally spaced 120° on 10 in. (254 mm) perfect circle diameter

(1X) Thermocouple hole diameter 0.128 in. (3.25 mm) with 1/8 NPT tap for fitting

"Cast-in" cable heater rated 3350 W at 208V

ORDERING INFORMATION

WR300-2A Series Platen With Hardcoat Anodize Finish: Reference drawing above

Rating: Typical 208V, 3350 W, Part is ultrasonic washed followed by IPA wipe down prior to packaging, Delivery 6-8 wks

Item:

No thermocouple included
Thermocouple, Type K, 6 in. (152 mm) sheath + fitting
Thermocouple, Type J, 6 in. (152 mm) sheath + fitting
Thermocouple, Type K, 12 in. (305 mm) sheath + fitting
Thermocouple, Type J, 12 in. (305 mm) sheath + fitting

Code Number:

WR300-2A
WR300-3A
WR300-4A
WR300-5A
WR300-6A

MODEL WR300-2B

300mm Bare Machined Aluminum Platen Heater

ORDERING INFORMATION

WR300-2B Series Platen With Bare Machined Aluminum Finish: Reference drawing above

Rating: Typical 208V, 3350 W, Part is ultrasonic washed followed by IPA wipe down prior to packaging, Delivery 4-6 wks

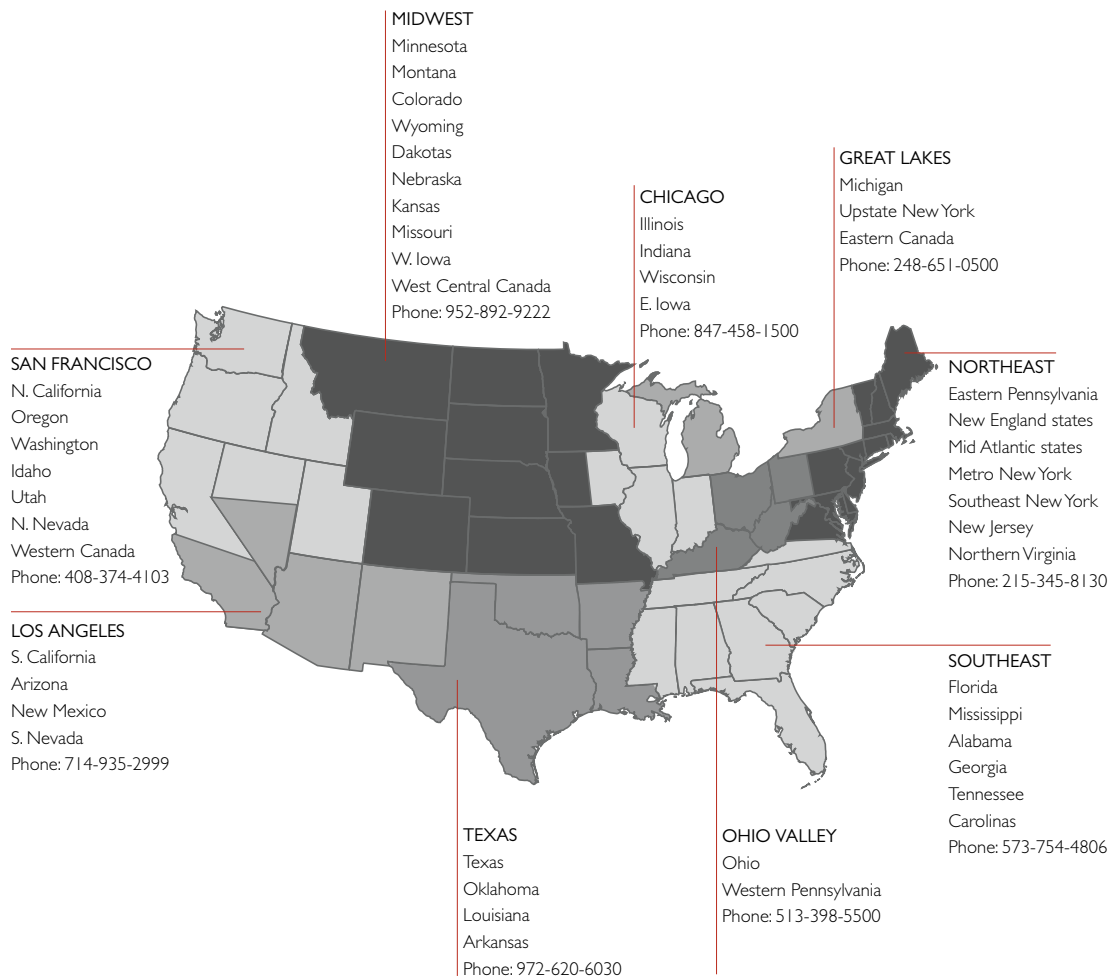
Item:

No thermocouple included
Thermocouple, Type K, 6 in. (152 mm) sheath + fitting
Thermocouple, Type J, 6 in. (152 mm) sheath + fitting
Thermocouple, Type K, 12 in. (305 mm) sheath + fitting
Thermocouple, Type J, 12 in. (305 mm) sheath + fitting

Code Number:

WR300-2B
WR300-3B
WR300-4B
WR300-5B
WR300-6B

NORTH AMERICAN REGIONAL SALES REPRESENTATIVES:



INTERNATIONAL SALES REPRESENTATIVES:

AMERICAS

Mexico
Central and South America
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France
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Germany
+49-7253-9400-0
Italy
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+49-7253-9400-0

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Australia
+61-3-9335-6449
China
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Japan
+81-3-3518-6630
Korea
+82-2-2628-5770
Malaysia
+60-3-7980-7741
Taiwan
+886-7-288-5168



CAST ALUMINUM
Solutions

1310 Kingsland Drive Batavia, Illinois 60510

Phone: 630-879-2696
Fax: 630-879-1101
Email: cas@castaluminumolutions.com

www.CastAluminumSolutions.com

SERVICE AND SUPPORT

Cast Aluminum Solutions services North America and Canada with over 70 sales engineers and 40 distributors. We cover global markets through our international network of distributors based in both Europe and Asia. At CAS, we believe our service and support separate us from the pack. We value each and every customer. To that end, our team of sales engineers, account managers and customer service professionals strive to achieve total customer satisfaction. This philosophy is embraced at every level of the company, from the leaders to factory floor.