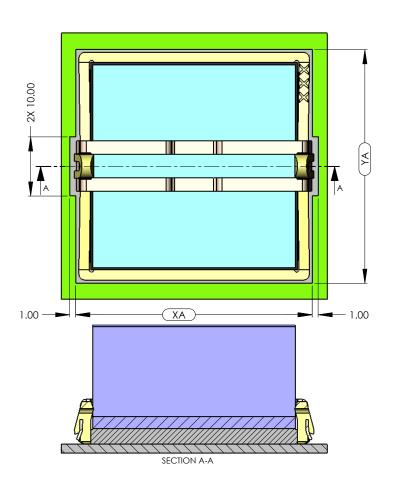


superGRIP™ Clearance Guidelines

Required Board Keep Out Region for superGRIP™ Heat Sink Attachment Hardware

DIRECTION OF AIR FLOW



NOM SIZE	XA	YA
(mm)	(mm)	(mm)
15 x 15	18.5	18
17 x 17	20.6	20.1
19 x 19	22.7	22.2
21 x 21	24.9	24.4
23 x 23	27.1	26.6
25 x 25	29.3	28.8
27 x 27	31.5	31
29 x 29	33.6	33.1
30 x 30	34.7	34.2
31 x 31	35.8	35.3
32.5 x 32.5	37.4	36.9
33 x 33	37.9	37.4
35 x 35	40	39.5
37.5 x 37.5	42.7	42.2
40 x 40	45.4	44.9
42.5 x 42.5	48	47.5
45 x 45	50.7	50.2

NOTES:

- Additional constraints may apply if / when heat sinks are used with length or width dimensions that exceed the XA and YA dimensions shown in the table. Please contact ATS for assistance with such applications.
- 2. Data provided for reference only and may vary by application.
- 3. ATS reserves the right to update or change its products without notice to improve the design or performance.
- 4. Contact ATS to learn about custom options available.



For more information, to find a distributor or to place an order, call 781.769.2800, email ats-hq@qats.com, or visit www.qats.com