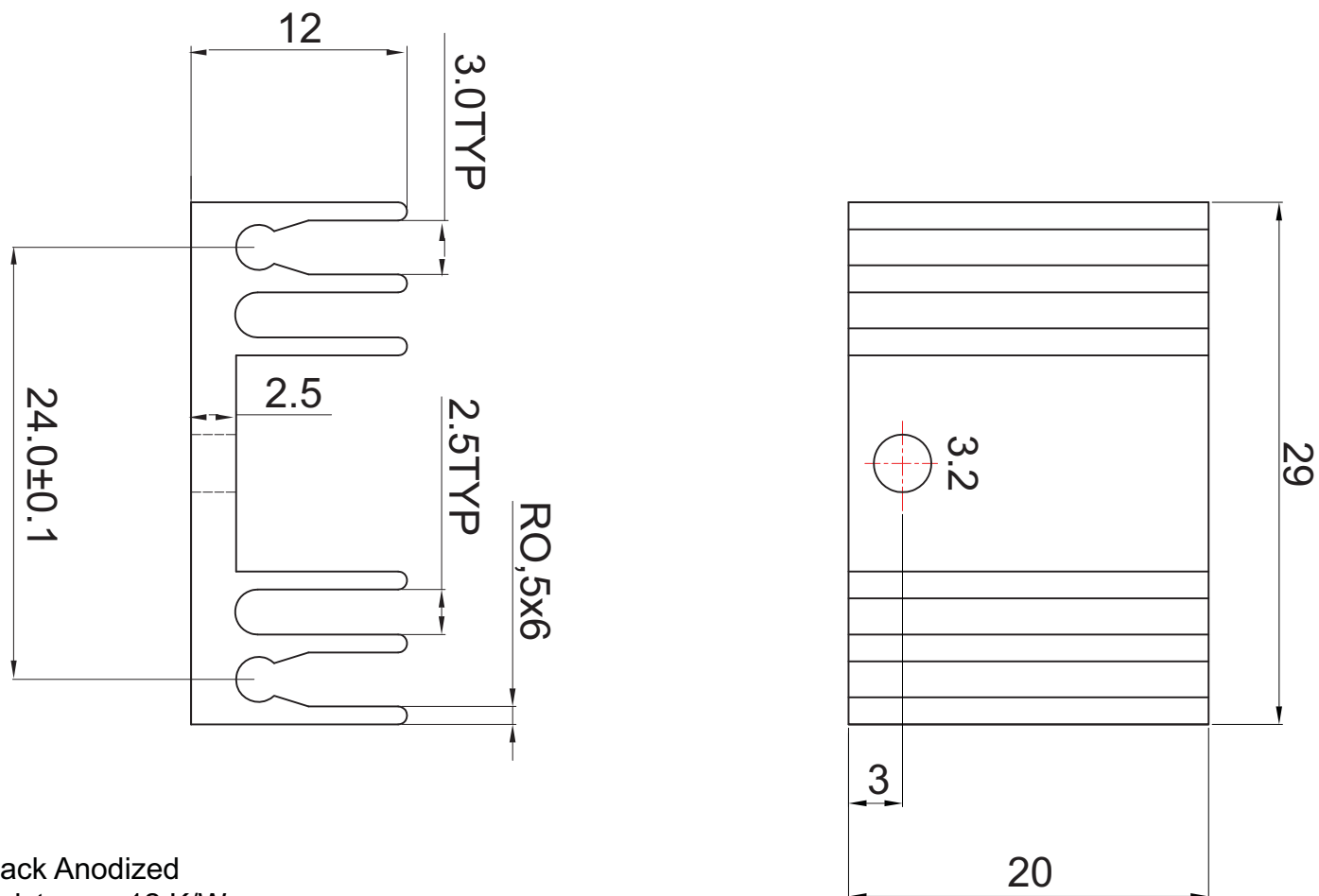


|           |                                                                                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |                                                                                                                                                                           |        |                                                                      |       |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------------------------------------------------|-------|--|------|------|-------|--|-----------|--|--|--|--|-------|----------|--------|----------------------------------------------------------------------|--|------|------|--|--|--|----------|----------|-------|---------------------------|--|-----|----|--|--|--|--|--|--|-------------|-------|------|----|--|--|--|--|--|--|--|--|-----|-----|--|--|--|--|--|--|---------|-------|-----|-----|--|--|--|--|--|--|--|-----|------|-----|---|--|--|--|--|--|--|--|-------|-----|-----|--------------|------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---|
|           | 1                                                                                                                                                                                                                                                                                           | 2   | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4    | 5        | 6                                                                                                                                                                         | 7      |                                                                      |       |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
| A         | <div></div> <div><p><b>Material:</b></p><ul style="list-style-type: none"><li>• AL6063-T5</li><li>• Finished: Black Anodized</li><li>• Thermal Resistance: 12 K/W</li><li>• Length: 20mm</li></ul></div> |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |                                                                                                                                                                           |        |                                                                      | A     |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
| B         |                                                                                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |                                                                                                                                                                           |        |                                                                      | B     |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
| C         |                                                                                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |                                                                                                                                                                           |        |                                                                      | C     |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
| D         |                                                                                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |                                                                                                                                                                           |        |                                                                      | D     |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
| E         |                                                                                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |                                                                                                                                                                           |        |                                                                      | E     |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
| F         |                                                                                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |                                                                                                                                                                           |        |                                                                      | F     |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
| G         | Unit: mm                                                                                                                                                                                                                                                                                    |     | <div><div><div>RoHS</div><div>Compliant</div></div><table><tr><td>Scale</td><td>1:1</td><td></td><td></td><td></td><td></td><td>Date</td><td>Name</td><td colspan="2">Title</td></tr><tr><td>TOLERANCE</td><td></td><td></td><td></td><td></td><td>Drawn</td><td>27.11.12</td><td>Wilson</td><td colspan="2">Machined extruded heatsink TO-220<br/>Thermal resistance 12 K/W, 20mm</td></tr><tr><td>UNIT</td><td>±0.3</td><td></td><td></td><td></td><td>Approved</td><td>27.11.12</td><td>Groll</td><td colspan="2">ASSMANN WSW-No.<br/>V4330N</td></tr><tr><td>X.X</td><td>±X</td><td></td><td></td><td></td><td></td><td></td><td></td><td>Drawing-No.</td><td>rev00</td></tr><tr><td>X.XX</td><td>±X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>DIM</td><td>TOL</td><td></td><td></td><td></td><td></td><td></td><td></td><td>Replace</td><td>Sheet</td></tr><tr><td>X.°</td><td>±X°</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1/1</td></tr><tr><td>X.X°</td><td>±X°</td><td>⑩</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Angle</td><td>TOL</td><td>Id.</td><td>Modification</td><td>Date</td><td>Name</td><td colspan="2"><div><div>ASSMANN</div><div>WSW components</div></div><div>1840 W. Drake Drive, Suite 101 • Tempe, AZ 85283<br/>Toll Free: 1-877-277-6266 • Email: info@assmann.us</div></td><td></td><td></td></tr></table></div> |      | Scale    | 1:1                                                                                                                                                                       |        |                                                                      |       |  | Date | Name | Title |  | TOLERANCE |  |  |  |  | Drawn | 27.11.12 | Wilson | Machined extruded heatsink TO-220<br>Thermal resistance 12 K/W, 20mm |  | UNIT | ±0.3 |  |  |  | Approved | 27.11.12 | Groll | ASSMANN WSW-No.<br>V4330N |  | X.X | ±X |  |  |  |  |  |  | Drawing-No. | rev00 | X.XX | ±X |  |  |  |  |  |  |  |  | DIM | TOL |  |  |  |  |  |  | Replace | Sheet | X.° | ±X° |  |  |  |  |  |  |  | 1/1 | X.X° | ±X° | ⑩ |  |  |  |  |  |  |  | Angle | TOL | Id. | Modification | Date | Name | <div><div>ASSMANN</div><div>WSW components</div></div> <div>1840 W. Drake Drive, Suite 101 • Tempe, AZ 85283<br/>Toll Free: 1-877-277-6266 • Email: info@assmann.us</div> |  |  |  | G |
| Scale     | 1:1                                                                                                                                                                                                                                                                                         |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          | Date                                                                                                                                                                      | Name   | Title                                                                |       |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
| TOLERANCE |                                                                                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      | Drawn    | 27.11.12                                                                                                                                                                  | Wilson | Machined extruded heatsink TO-220<br>Thermal resistance 12 K/W, 20mm |       |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
| UNIT      | ±0.3                                                                                                                                                                                                                                                                                        |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      | Approved | 27.11.12                                                                                                                                                                  | Groll  | ASSMANN WSW-No.<br>V4330N                                            |       |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
| X.X       | ±X                                                                                                                                                                                                                                                                                          |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |                                                                                                                                                                           |        | Drawing-No.                                                          | rev00 |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
| X.XX      | ±X                                                                                                                                                                                                                                                                                          |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |                                                                                                                                                                           |        |                                                                      |       |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
| DIM       | TOL                                                                                                                                                                                                                                                                                         |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |                                                                                                                                                                           |        | Replace                                                              | Sheet |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
| X.°       | ±X°                                                                                                                                                                                                                                                                                         |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |                                                                                                                                                                           |        |                                                                      | 1/1   |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
| X.X°      | ±X°                                                                                                                                                                                                                                                                                         | ⑩   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |                                                                                                                                                                           |        |                                                                      |       |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
| Angle     | TOL                                                                                                                                                                                                                                                                                         | Id. | Modification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Date | Name     | <div><div>ASSMANN</div><div>WSW components</div></div> <div>1840 W. Drake Drive, Suite 101 • Tempe, AZ 85283<br/>Toll Free: 1-877-277-6266 • Email: info@assmann.us</div> |        |                                                                      |       |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
| H         |                                                                                                                                                                                                                                                                                             |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |                                                                                                                                                                           |        |                                                                      | H     |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |
|           | 1                                                                                                                                                                                                                                                                                           | 2   | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4    | 5        | 6                                                                                                                                                                         | 7      |                                                                      |       |  |      |      |       |  |           |  |  |  |  |       |          |        |                                                                      |  |      |      |  |  |  |          |          |       |                           |  |     |    |  |  |  |  |  |  |             |       |      |    |  |  |  |  |  |  |  |  |     |     |  |  |  |  |  |  |         |       |     |     |  |  |  |  |  |  |  |     |      |     |   |  |  |  |  |  |  |  |       |     |     |              |      |      |                                                                                                                                                                           |  |  |  |   |