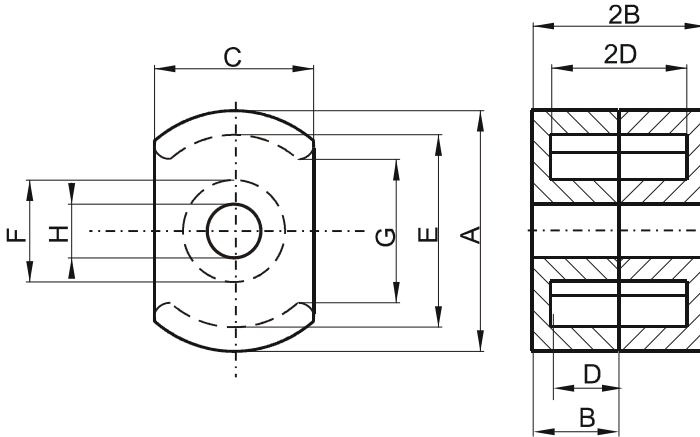


Specification for:

## HF42311UG

110 Delta Drive  
Pittsburgh, PA 15238  
Phone: 412/696-1333  
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### DIMENSIONS



| (mm)                     | Nominal:                   | Tol. min.:   | Tol. max.:               |
|--------------------------|----------------------------|--------------|--------------------------|
| <b>A</b>                 | 22.86                      | -0.46        | + 0.46                   |
| <b>B</b>                 | 5.54                       | -0.13        | + 0.13                   |
| <b>2B</b>                | 11.08                      | -0.26        | + 0.26                   |
| <b>C</b>                 | 15.24                      | -0.25        | + 0.25                   |
| <b>D</b>                 | 3.63 Min.                  |              |                          |
| <b>2D</b>                | 7.26 Min.                  |              |                          |
| <b>E</b>                 | 17.93 Min.                 |              |                          |
| <b>F</b>                 | 9.9 Max.                   |              |                          |
| <b>G</b>                 | 13.21 Min.                 |              |                          |
| <b>H</b>                 | 5.1                        | -0.1         | + 0.1                    |
| Eff. Parameters          |                            |              |                          |
| <b>Ae mm<sup>2</sup></b> | <b>Amin mm<sup>2</sup></b> | <b>le mm</b> | <b>Ve mm<sup>3</sup></b> |
| 48.2                     | 37.8                       | 27.0         | 1300                     |

### INDUCTANCE

| AL value (nH) | Test conditions         |
|---------------|-------------------------|
| 4170 ± 25%    | 10 kHz, < 0.5 mT, 25 °C |

### MARKING

|         |
|---------|
| F<br>UG |
|---------|

### CORE LOSSES

| P <sub>i</sub> max                  | Test conditions        |
|-------------------------------------|------------------------|
| 208 mW/cm <sup>3</sup> (0.27 W/set) | 25 kHz, 200 mT, 100 °C |

### NOTE

| Spec. modifications | Previous                                 | Revised                                  |
|---------------------|--|--|
| 2005-06-22          | H=5.08±0.1<br>Losses: General F material | H=5.1±0.1<br>Losses: Detail as indicated |