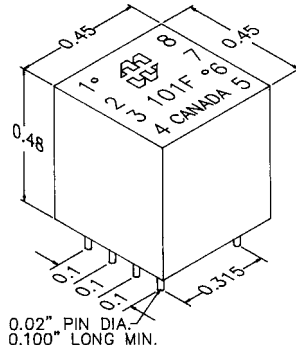
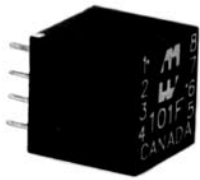


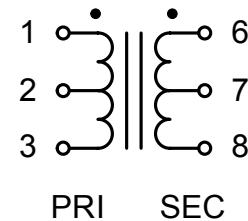
# P.C. Board Mount (101-106 Series)

## MINIATURE EPOXY POTTED AUDIO TRANSFORMERS

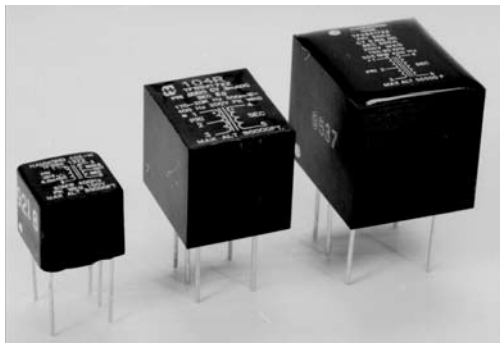


- Pin type, P.C. board mount, net weight of only 0.1 oz.
- Rugged black epoxy potted construction produces a completely sealed unit withstanding severe environmental conditions.
- Secondary may be used as primary and primary as secondary.
- Power level: 100mw @ 300 Hz. to 100 KHz.
  - Freq. range @ +10 dbm is 200 Hz. to 100 KHz. +/- 0.5db
  - Freq. range @ +15 dbm is 200 Hz. to 100 KHz. +/- 0.5db
  - Freq. range @ +20 dbm is 300 Hz. to 100 KHz. +/- 0.5db
  - Freq. measurements with no D.C. saturation.

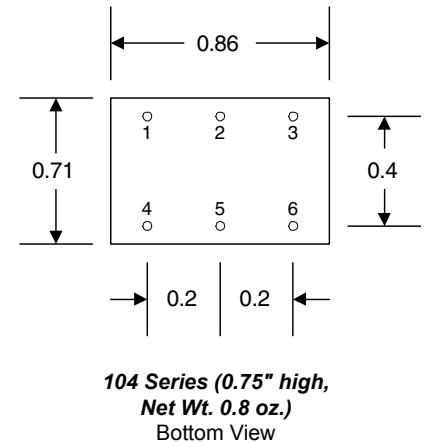
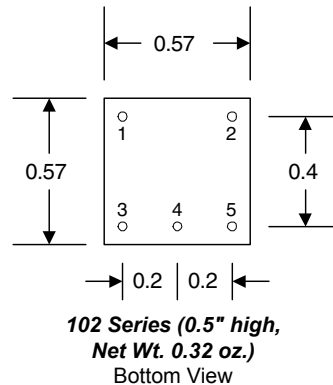
| Part No.    | Nominal Impedance |           | Nominal Resistance |           | Useful Impedance Range |           |
|-------------|-------------------|-----------|--------------------|-----------|------------------------|-----------|
|             | Primary           | Secondary | Primary            | Secondary | Pri./Sec. to Pri./Sec. |           |
| <b>101D</b> | 300 C.T.          | 600 C.T.  | 20.4               | 54        | 150/300                | 600/1200  |
| <b>101F</b> | 600 C.T.          | 600 C.T.  | 44                 | 52        | 300/300                | 1200/1200 |
| <b>101H</b> | 1200 C.T.         | 600 C.T.  | 80                 | 53        | 600/300                | 2400/1200 |
| <b>101J</b> | 2500 C.T.         | 600 C.T.  | 150                | 54        | 1250/300               | 5000/1200 |
| <b>101P</b> | 300 C.T.          | 50 C.T.   | 20.4               | 4.8       | 150/25                 | 600/100   |
| <b>101R</b> | 600 C.T.          | 50 C.T.   | 44                 | 4.7       | 300/25                 | 1200/100  |
| <b>101V</b> | 2500 C.T.         | 50 C.T.   | 150.7              | 4.9       | 1250/25                | 5000/100  |



Audio

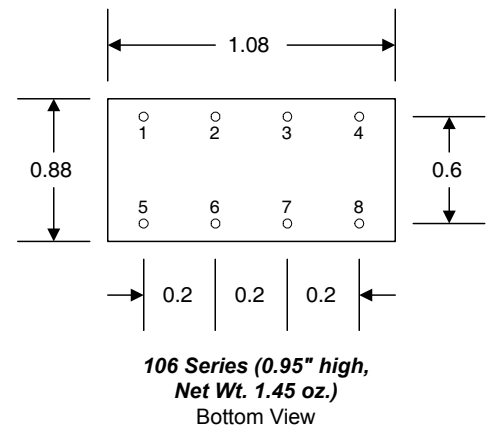


102 Series    104 Series    106 Series



## MINIATURE EPOXY POTTED AUDIO TRANSFORMERS

- Output power models from 5 to 1,500 milliwatt level available.
- 0.5" long pin type (.025" dia. on 102 series, .032" dia. on 104 & 106 series), P.C. board mount.
- Bifilar winding technique used on center tapped units for balanced resistive and capacitive characteristics.
- Rugged black epoxy potted construction produces a completely sealed unit withstanding severe environmental conditions including those of MIL-T-27 (Grade 5, Class S).
- For the more economical open type P.C. mount types please refer to the 148 & 149 series.
- Peak working voltage rating of: 100V (102 Series) & 200V (104 & 106 Series).
- Referring to figures 1-9, if connection is not used - no pin will exist.



**CANADA**  
Guelph, Ontario (519) 822-2960  
St. Laurent, Quebec (514) 343-9010  
**USA**  
Cheektowaga, NY (716) 630-7030

[www.hammondmfg.com](http://www.hammondmfg.com)



**EUROPE**  
Basingstoke, UK 01256 812812

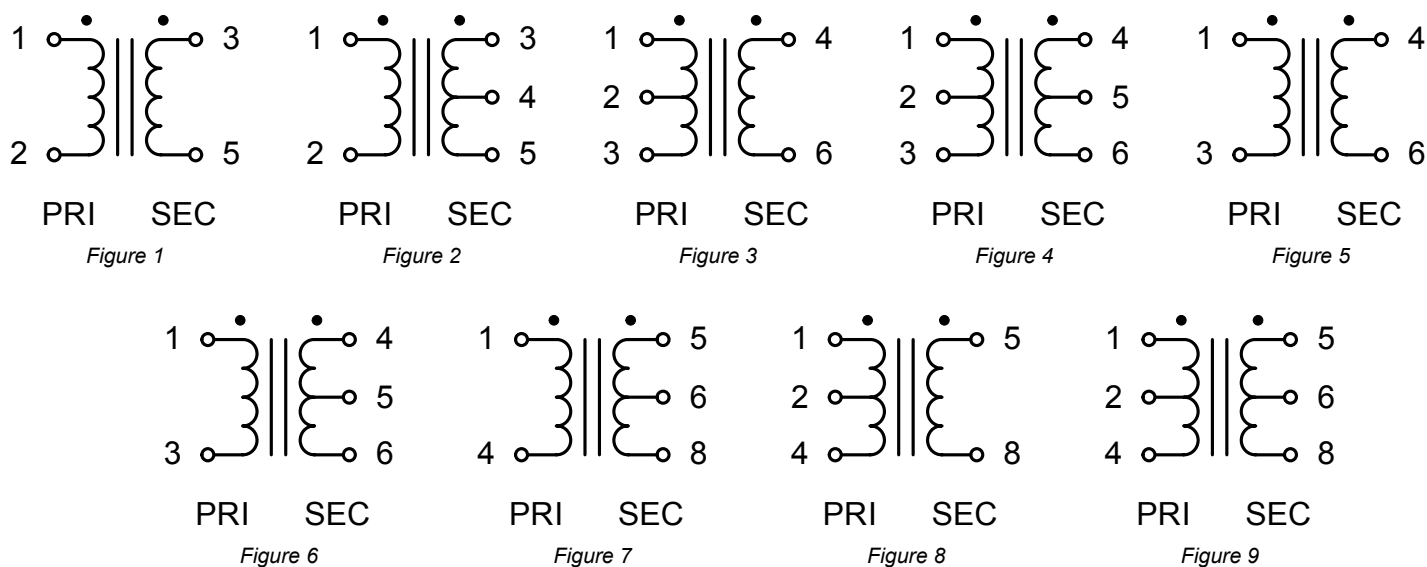
**AUSTRALIA**  
Queenstown, Australia 61-8-8240-2244

## MINIATURE EPOXY POTTED AUDIO TRANSFORMERS (Continued)

| Part No.     | Application | Nominal Impedance |            | Pri D.C. (*1) ma | D.C. Resistance +/- 15% |           | Output (*2) Milliwatts | Insertion Loss (*3) db | Freq (*4) -1 db Hz. | Dwg. Figure |
|--------------|-------------|-------------------|------------|------------------|-------------------------|-----------|------------------------|------------------------|---------------------|-------------|
|              |             | Primary           | Secondary  |                  | Primary                 | Secondary |                        |                        |                     |             |
| <b>102B</b>  | Input       | 50                | 1,500      | 0                | 4                       | 95        | 20                     | 1.5                    | 310                 | 1           |
| <b>102D</b>  | Input       | 600               | 1,500      | 0                | 43                      | 85        | 20                     | 1.5                    | 310                 | 1           |
| <b>102H</b>  | Interstage  | 2,000             | 500 C.T.   | 5.6              | 341                     | 62        | 20                     | 1.5                    | 310                 | 2           |
| <b>102J</b>  | Interstage  | 6,000             | 2,000 C.T. | 2.8              | 900                     | 260       | 20                     | 1.5                    | 310                 | 2           |
| <b>102K</b>  | Interstage  | 10,000            | 2,000 C.T. | 2.5              | 1585                    | 260       | 20                     | 1.5                    | 310                 | 2           |
| <b>104B</b>  | Input       | 150               | 80,000     | 0                | 6.6                     | 3730      | 5                      | 1                      | 60                  | 5           |
| <b>104H</b>  | Interstage  | 10,000            | 2,000 C.T. | 3.2              | 675                     | 89        | 35                     | 1                      | 200                 | 6           |
| <b>104K</b>  | Interstage  | 20,000            | 1,000 C.T. | 3.2              | 790                     | 125       | 35                     | 1                      | 200                 | 6           |
| <b>104L</b>  | Interstage  | 25,000            | 600 C.T.   | 2                | 1890                    | 50        | 35                     | 1                      | 200                 | 6           |
| <b>104Q</b>  | Output      | 500 C.T.          | 3.2        | 6                | 27                      | 0.4       | 500                    | 1                      | 200                 | 3           |
| <b>104R</b>  | Output      | 500 C.T.          | 8          | 6                | 27                      | 0.9       | 500                    | 1                      | 200                 | 3           |
| <b>104S</b>  | Output      | 600 C.T.          | 150 C.T.   | 6                | 47                      | 10.6      | 500                    | 1                      | 200                 | 4           |
| <b>106C</b>  | Input       | 50,000            | 1,500 C.T. | 0                | 2400                    | 52        | 10                     | 1                      | 60                  | 7           |
| <b>106E</b>  | Input       | 600 C.T.          | 600        | 9                | 65                      | 83        | 500                    | 1                      | 150                 | 8           |
| <b>106EE</b> | Input       | 600 C.T.          | 600 C.T.   | 9                | 65                      | 83        | 500                    | 1                      | 150                 | 9           |
| <b>106G</b>  | Interstage  | 4,000             | 600 C.T.   | 10               | 340                     | 24        | 150                    | 1                      | 215                 | 7           |
| <b>106H</b>  | Interstage  | 4,000             | 2,600 C.T. | 10               | 340                     | 100       | 150                    | 1                      | 215                 | 7           |
| <b>106J</b>  | Interstage  | 10,000            | 2,000 C.T. | 6.5              | 700                     | 89        | 150                    | 1                      | 215                 | 7           |
| <b>106M</b>  | Interstage  | 20,000            | 2,000 C.T. | 4.5              | 1180                    | 89        | 150                    | 1                      | 215                 | 7           |
| <b>106Q</b>  | Output      | 48 C.T.           | 3.2        | 32               | 2.4                     | 0.3       | 1,500                  | 1                      | 170                 | 8           |
| <b>106R</b>  | Output      | 48 C.T.           | 8          | 32               | 2.4                     | 0.7       | 1,500                  | 1                      | 170                 | 8           |
| <b>106S</b>  | Output      | 100 C.T.          | 3.2        | 22               | 4.4                     | 0.3       | 1,500                  | 1                      | 170                 | 8           |
| <b>106T</b>  | Output      | 100 C.T.          | 8          | 22               | 4.4                     | 0.7       | 1,500                  | 1                      | 170                 | 8           |
| <b>106V</b>  | Output      | 250 C.T.          | 8          | 14               | 11                      | 0.7       | 1,500                  | 1                      | 170                 | 8           |
| <b>106W</b>  | Output      | 500 C.T.          | 3.2        | 10               | 26                      | 0.3       | 1,500                  | 1                      | 170                 | 8           |
| <b>106X</b>  | Output      | 500 C.T.          | 8          | 10               | 26                      | 0.7       | 1,500                  | 1                      | 170                 | 8           |

**NOTES:**

- \*1) Where primary is center-tapped, this figure is the maximum unbalance
- \*2) When operating at impedances below normal, power capability and the frequency spectrum are proportionately lower, conversely, at higher impedances power capability and frequency spectrum will be proportionately higher.
- \*3) Insertion loss measured at 1000 Hz.
- \*4) Approximate frequency in hertz at which the output, at rated load and D.C. unbalance, is 1 db below the 1000 Hertz rating. The high frequency roll-off point exceeds 20 KHz. (Above 35 KHz. in most types).



**EUROPE**  
Basingstoke, UK 01256 812812

**AUSTRALIA**  
Queenstown, Australia 61-8-8240-2244

[www.hammondmfg.com](http://www.hammondmfg.com)



**CANADA**  
Guelph, Ontario (519) 822-2960  
St. Laurent, Quebec (514) 343-9010

**USA**  
Cheektowaga, NY (716) 630-7030



Audio