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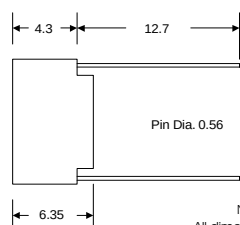
## P.C. Board Mount



### PULSE TRANSFORMERS

- These ferrite cored transformers are fully encapsulated in a high grade black molded case with a UL94V-O rating.
- Used in digital and data processing, line coupling, matching, isolation etc.
- Working voltage rating maximum of 500V D.C.
- ET values up to 50V uS.

| Cat. No. | Turns Ratio +/- 2% | Primary Inductance uH (min) | Primary ET Constant V uS | Inter. W Capacity p.f. max. | Leakage Inductance uH max. | D.C. Resistance Ohms max. | Cir. Dia. |
|----------|--------------------|-----------------------------|--------------------------|-----------------------------|----------------------------|---------------------------|-----------|
| 600AA    | 1:1                | 2060                        | 17.5                     | 35                          | 0.6                        | 1.5                       | A         |
| 600BA    | 1:1                | 492                         | 8.5                      | 20                          | 0.3                        | 0.8                       | A         |
| 600CA    | 1:1                | 219                         | 5.5                      | 12                          | 0.25                       | 0.5                       | A         |
| 600PA    | 1:1                | 323                         | 7                        | 12                          | 0.3                        | 0.6                       | B         |
| 602GA    | 2:1                | 2.7                         | 3                        | 3                           | 0.9                        | 0.2                       | B         |
| 601A     | 1:1                | 2060                        | 17.5                     | 45                          | 0.6                        | 1.5                       | B         |
| 601B     | 1:1                | 492                         | 8.5                      | 20                          | 0.3                        | 0.8                       | B         |
| 601C     | 1:1                | 219                         | 5.5                      | 12                          | 0.25                       | 0.5                       | B         |
| 601D     | 1:1                | 50                          | 4                        | 10                          | 0.2                        | 0.4                       | B         |
| 601E     | 1:1                | 23                          | 2.5                      | 8                           | 0.2                        | 0.3                       | B         |
| 601F     | 1:1                | 9.5                         | 6                        | 10                          | 0.2                        | 0.4                       | B         |
| 602A     | 1:1:1              | 2060                        | 17.5                     | 35                          | 0.6                        | 1.5                       | C         |
| 602B     | 1:1:1              | 492                         | 8.5                      | 20                          | 0.3                        | 0.8                       | C         |
| 602C     | 1:1:1              | 219                         | 5.5                      | 12                          | 0.25                       | 0.5                       | C         |



NOTES:  
- All dimensions in mm  
- Pins 3 & 4 are omitted on circuit diagram A & B units

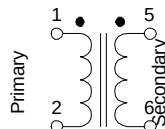
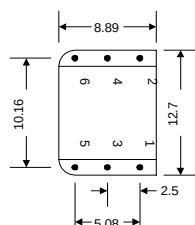


Diagram A

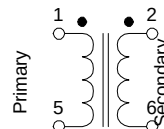


Diagram B

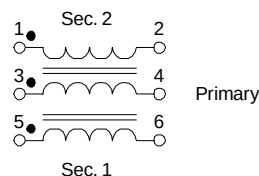
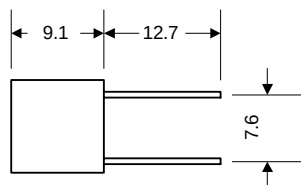
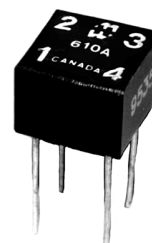
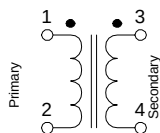
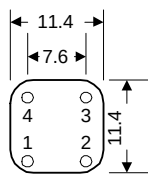


Diagram C

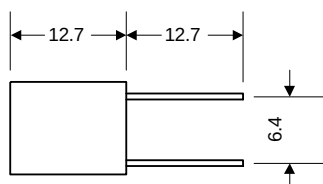
### 610A Dimensions & Schematic



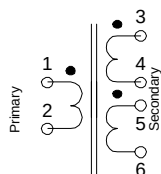
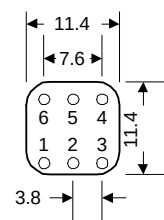
Note: All dimensions in mm



### 610B Dimensions & Schematic



Note: All dimensions in mm

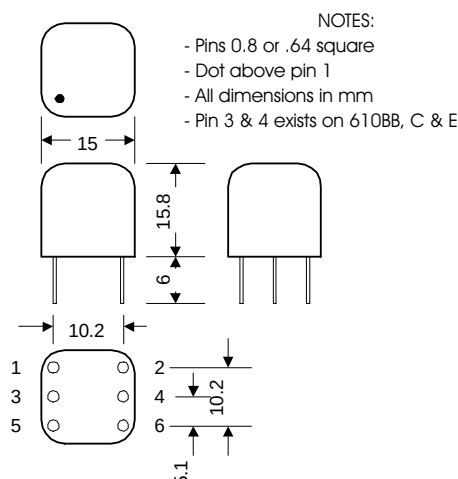


### PULSE TRANSFORMERS

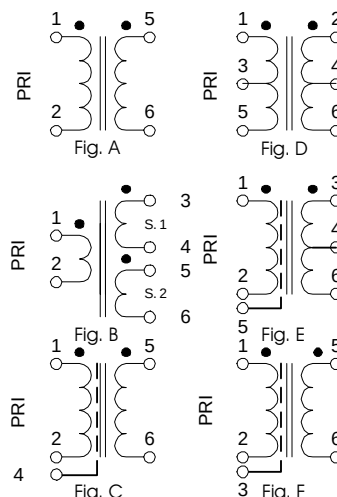
- These ferrite cored transformers are fully encapsulated in a high grade black molded case with a UL94V-O rating.
- Units are intended for wide band and pulse applications including thyristor / triac firing circuits.
- Peak pulse voltage rating maximum of 250V.
- Insulation tested to 1,000V RMS.

| Cat. No. | Ratio | Primary             |                 | Secondary Resistance |               | Primary ET Constant V (uS). | Leakage Inductance uH (max.) | Max. Primary or Secondary Current |              |
|----------|-------|---------------------|-----------------|----------------------|---------------|-----------------------------|------------------------------|-----------------------------------|--------------|
|          |       | Inductance mH (min) | Resistance Ohms | Sec. 1 (Ohms)        | Sec. 2 (Ohms) |                             |                              | @ 0.1% Duty                       | @ 0.01% Duty |
| 610A     | 1:1   | 3.9                 | 3.4             | 3.9                  | -             | 500                         | 60                           | 0.2A                              | 0.6A         |
| 610B     | 1:1:1 | 2.7                 | 2.1             | 2.1                  | 2.3           | 500                         | 50                           | 0.2A                              | 0.6A         |

## P.C. Board Mount



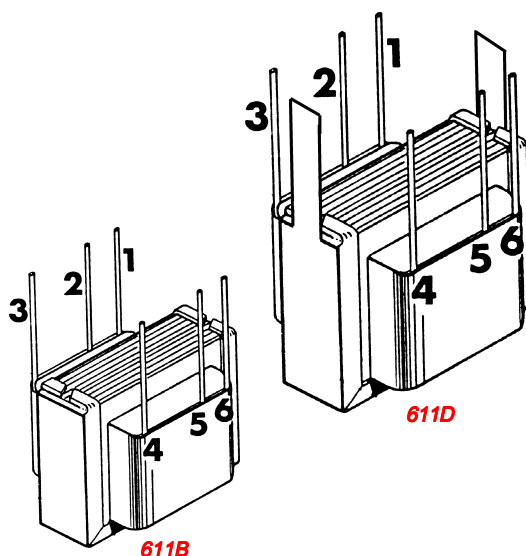
## PULSE TRANSFORMERS



- These ferrite cored transformers are fully encapsulated in a high grade black molded case with a UL94V-O rating.
- Units are intended for wide band and pulse applications including thyristor / triac firing circuits, signal isolation, line matching, low power switch mode power supplies, etc.
- Working voltage rating maximum of 500V RMS
- All units are voltage proof tested to 2.0KV peak 50 Hz.

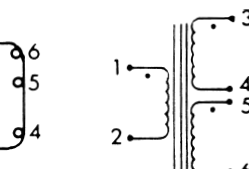
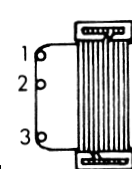
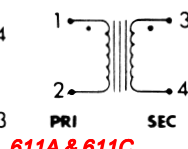
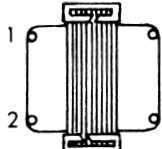
| Cat. No. | Ratio         | Primary             |                    | Leakage Inductance uH (max) | Capacity pf. (max) | D.C. Winding Resistance (ohms) |        |        | Sch. Fig. # | Remarks                         |
|----------|---------------|---------------------|--------------------|-----------------------------|--------------------|--------------------------------|--------|--------|-------------|---------------------------------|
|          |               | Inductance mH (min) | ET Constant V (uS) |                             |                    | Pri.                           | Sec. 1 | Sec. 2 |             |                                 |
| 610AA    | 1:1           | 3                   | 200                | 22                          | 23                 | 1.2                            | 1      | -      | A           | -                               |
| 610BB    | 1:1:1         | 3                   | 200                | 9                           | 28                 | 1.4                            | 1.3    | 1.7    | B           | -                               |
| 610C     | 2:1:1         | 12                  | 400                | 35                          | 30                 | 4                              | 1.8    | 2.4    | B           | -                               |
| 610D     | 1:1 & Shld    | 3                   | 200                | 32                          | 15                 | 1.3                            | 1      | -      | C           | 610AA plus electrostatic shield |
| 610E     | 1:1:1         | 22                  | 550                | 85                          | 18                 | 10.6                           | 8.9    | 12.2   | B           | -                               |
| 610F     | 1 ct: 1 ct    | 3                   | 200                | 22                          | 23                 | 1.2                            | 1      | -      | D           | 610AA with center taps          |
| 610G     | 1:1 ct & Shld | 12                  | 400                | 100                         | 11                 | 3.8                            | 5.3    | -      | E           | includes electrostatic shield   |
| 610H     | 1:2 ct & Shld | 1.5                 | 140                | 15                          | 15                 | 1.2                            | 2.6    | -      | F           | includes electrostatic shield   |

## PULSE TRANSFORMERS



- Economical, open style, P. C. board pin mount
- Units are intended for pulse applications including thyristor / triac firing circuits.

| Cat. No. | Ratio | Circuit Max. Volts | Primary             |                  | D.C. Winding Resistance |               | Insulation RMS (Volts) | Wt. Oz. |
|----------|-------|--------------------|---------------------|------------------|-------------------------|---------------|------------------------|---------|
|          |       |                    | Inductance mH (min) | D.C. Res. (Ohms) | Sec.1 (Ohms)            | Sec. 2 (Ohms) |                        |         |
| 611A     | 1:1   | 125                | 8.6                 | 0.45             | 0.55                    | -             | 1000                   | 0.7     |
| 611B     | 1:1:1 | 125                | 17.2                | 1.26             | 1.0                     | 1.53          | 1000                   | 0.7     |
| 611C     | 1:1   | 250                | 56                  | 3.31             | 4.46                    | -             | 1500                   | 1.2     |
| 611D     | 1:1:1 | 250                | 17                  | 1.73             | 1.31                    | 2.12          | 1500                   | 1.2     |



| Cat. No.    | Pin Spacing | Height | Width | Coil Depth | Mounting Tab |             |
|-------------|-------------|--------|-------|------------|--------------|-------------|
|             |             |        |       |            | Centers      | Size        |
| 611A & 611B | 0.2" x 0.6" | .69"   | .82"  | .57"       | -            | -           |
| 611C & 611D | 0.2" x 0.6" | .82"   | 1.06" | .82"       | 1"           | .12" x .25" |

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