

## EP151XXX

- Frequency Range 20 KHz to 50 KHz •

- TEST CONDITIONS •

Termination 50  $\Omega$ , 100  $\Omega$  & 200  $\Omega$  for 1 volt/ampere scaling

Peak Current Sense is 20 amperes with 40% duty factor

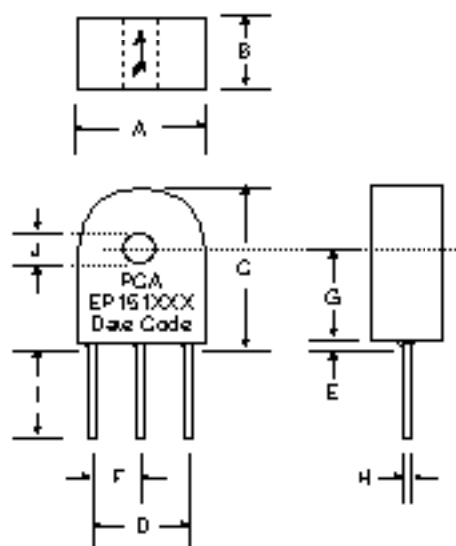
### Electrical Parameters @ 25°C

| PCA Part Number | Inductance (mH Min.) @ 1 & 3 | Turns ( $\pm 5\%$ ) | DCR ( $\Omega$ Max.) @ 1 & 3 | Schematic |
|-----------------|------------------------------|---------------------|------------------------------|-----------|
| EP151696        | 5                            | 90                  | 0.8                          | A         |
| EP151697A       | 20                           | 100                 | 1.2                          | A         |
| EP151699        | 90                           | 200                 | 4.0                          | A         |
| EP151717        | 5                            | 90 CT               | 0.8                          | B         |
| EP151719        | 20                           | 100 CT              | 1.2                          | B         |
| EP151719        | 90                           | 200 CT              | 4.0                          | B         |

### Schematic



### Package



### Dimensions

| Dim. | (Inches) |      |      | (Millimeters) |       |       |
|------|----------|------|------|---------------|-------|-------|
|      | Min.     | Max. | Nom. | Min.          | Max.  | Nom.  |
| A    | --       | .870 | --   | --            | 17.02 | --    |
| B    | --       | .375 | --   | --            | 9.52  | --    |
| C    | --       | .900 | --   | --            | 20.32 | --    |
| D    | --       | --   | .500 | --            | --    | 12.70 |
| E    | .015     | --   | --   | .391          | --    | --    |
| F    | --       | --   | .200 | --            | --    | 5.08  |
| G    | .415     | .425 | .425 | 10.54         | 11.05 | 10.79 |
| H    | .030     | .034 | .032 | .762          | .864  | .813  |
| I    | .500     | --   | --   | 12.70         | --    | --    |
| J    | .170     | --   | --   | 4.32          | --    | --    |