

## EPA045-X

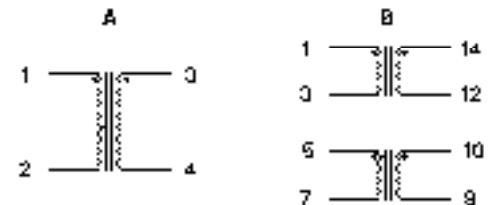
- Designed for Hub and Node Applications •
- Hipot 2000 Vrms •
- Meets the high-Reliability Specs of IEEE 802.3 Standard (Type 1 Base 5) •
- Available in Single and Dual Low Profile Packages •

### Electrical Parameters @ 25°C

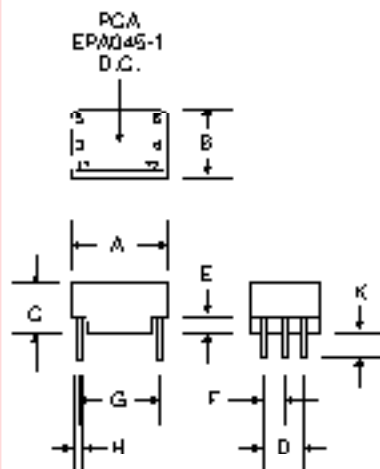
| PCA Part Number | OCL (mH $\pm 20\%$ ) | Interwinding Capacitance (pF Max.) | Leakage Inductance ( $\mu$ H Max.) | Turns Ratio ( $\pm 5\%$ ) | DCR ( $\Omega$ Max.) |     | Package & Schematic |
|-----------------|----------------------|------------------------------------|------------------------------------|---------------------------|----------------------|-----|---------------------|
| EPA045-1        | 2.5                  | 25                                 | 9                                  | 1:1                       | 1.0                  | 1.0 | A                   |
| EPA045-2        | 2.5                  | 25                                 | 9                                  | 1:1                       | 1.0                  | 1.0 | B                   |
| EPA045-3        | 2.5                  | 40                                 | 1.0                                | 1:1                       | 1.0                  | 1.0 | A                   |

• Pulse Inductance measured at 1V and PW of 0  $\mu$ S at PRR of 1 mS • Hipot measured between Pri. & Sec. and also from Coll to Coll in Dual package •

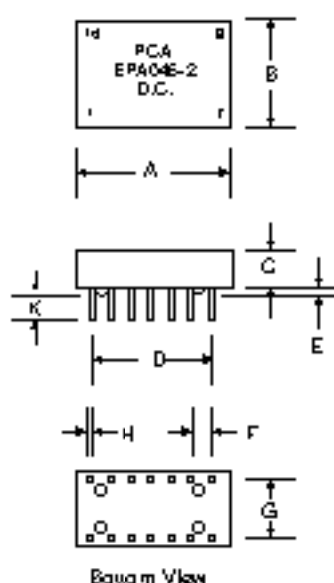
### Schematics



### Package A



### Package B



### Package A Dimensions

| Dim. | (Inches) |      |      | (Millimeters) |       |       |
|------|----------|------|------|---------------|-------|-------|
|      | Min.     | Max. | Nom. | Min.          | Max.  | Nom.  |
| A    | .490     | .500 | .490 | 12.19         | 12.70 | 12.45 |
| B    | .300     | .390 | .340 | 8.38          | 9.99  | 8.64  |
| C    | .200     | .290 | .240 | 5.94          | 8.35  | 6.10  |
| D    | --       | --   | .200 | --            | --    | 15.24 |
| E    | .070     | .090 | .090 | 8.35          | 9.99  | 7.62  |
| G    | --       | --   | .400 | --            | --    | 10.16 |
| H    | .019     | .022 | .020 | .457          | .560  | .509  |
| K    | .119     | .122 | .120 | 2.92          | 3.19  | 3.05  |

### Package B Dimensions

| Dim. | (Inches) |      |      | (Millimeters) |       |       |
|------|----------|------|------|---------------|-------|-------|
|      | Min.     | Max. | Nom. | Min.          | Max.  | Nom.  |
| A    | .790     | .800 | .790 | 19.91         | 20.32 | 20.07 |
| B    | .385     | .395 | .375 | 9.27          | 9.79  | 9.53  |
| C    | .200     | .290 | .240 | 5.94          | 8.35  | 6.10  |
| D    | --       | --   | .800 | --            | --    | 15.24 |
| E    | .010     | .020 | .015 | .254          | .509  | .391  |
| F    | --       | --   | .100 | --            | --    | 2.54  |
| G    | --       | --   | .300 | --            | --    | 7.62  |
| H    | .019     | .022 | .020 | .457          | .560  | .509  |
| K    | .115     | .125 | .120 | 2.92          | 3.19  | 3.05  |