

# Flyback Transformer

## EPC3005

- Switching Frequency : 40 KHz •
- Gapped Transformer •

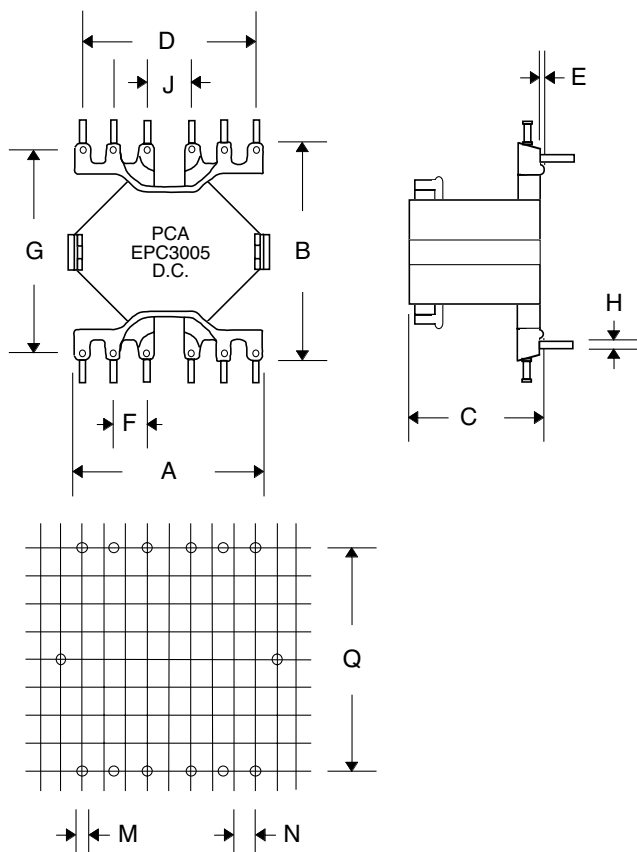
### Primary Specification

| Inductance<br>(mH $\pm 10\%$ )<br>@ 0 Adc | DCR<br>( $\Omega$ Typ.) |             |              |             |             |             |
|-------------------------------------------|-------------------------|-------------|--------------|-------------|-------------|-------------|
| @ 1 KHz<br>0.1 Vrms                       |                         |             |              |             |             |             |
| 6.1                                       | .440                    | .340        | .520         | .650        | 1.90        | .13         |
| Pins<br>2-1                               | Pins<br>2-1             | Pins<br>7-8 | Pins<br>10-9 | Pins<br>6-5 | Pins<br>3-4 | Pins<br>8-9 |

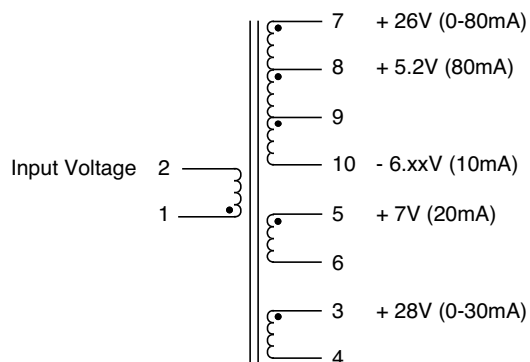
### Magnetic Design @ P out : 3.5 watts

| Leakage<br>Inductance<br>( $\mu$ H Typ.) | Inductance<br>Change<br>@ .043 Adc | Dielectric<br>Rating<br>(Vrms)   |                       |
|------------------------------------------|------------------------------------|----------------------------------|-----------------------|
| @ 100 KHz<br>0.1Vrms                     |                                    | 1 Sec                            | 1 Sec                 |
| 21                                       | 10% Max                            | 2000                             | 2000                  |
| Pins 2-1 with<br>all Wdg's shorted       |                                    | Pri. to all Sec.<br>Wdg's & Core | Between<br>Sec. Wdg's |

### Package



### Schematic



### Dimensions

| Dim. | (Inches) |      |      | (Millimeters) |       |       |
|------|----------|------|------|---------------|-------|-------|
|      | Min.     | Max. | Nom. | Min.          | Max.  | Nom.  |
| A    | ---      | .992 | ---  | ---           | 25.20 | ---   |
| B    | ---      | ---  | .921 | ---           | ---   | 23.40 |
| C    | ---      | ---  | .780 | ---           | ---   | 19.80 |
| D    | ---      | ---  | .800 | ---           | ---   | 20.32 |
| E    | ---      | ---  | .012 | ---           | ---   | .300  |
| F    | ---      | ---  | .150 | ---           | ---   | 3.81  |
| G    | ---      | ---  | .800 | ---           | ---   | 20.32 |
| H    | ---      | ---  | .024 | ---           | ---   | .600  |
| J    | ---      | ---  | .200 | ---           | ---   | 5.08  |
| M    | ---      | ---  | .039 | ---           | ---   | 1.00  |
| N    | ---      | ---  | .100 | ---           | ---   | 2.54  |
| Q    | ---      | ---  | .800 | ---           | ---   | 20.32 |