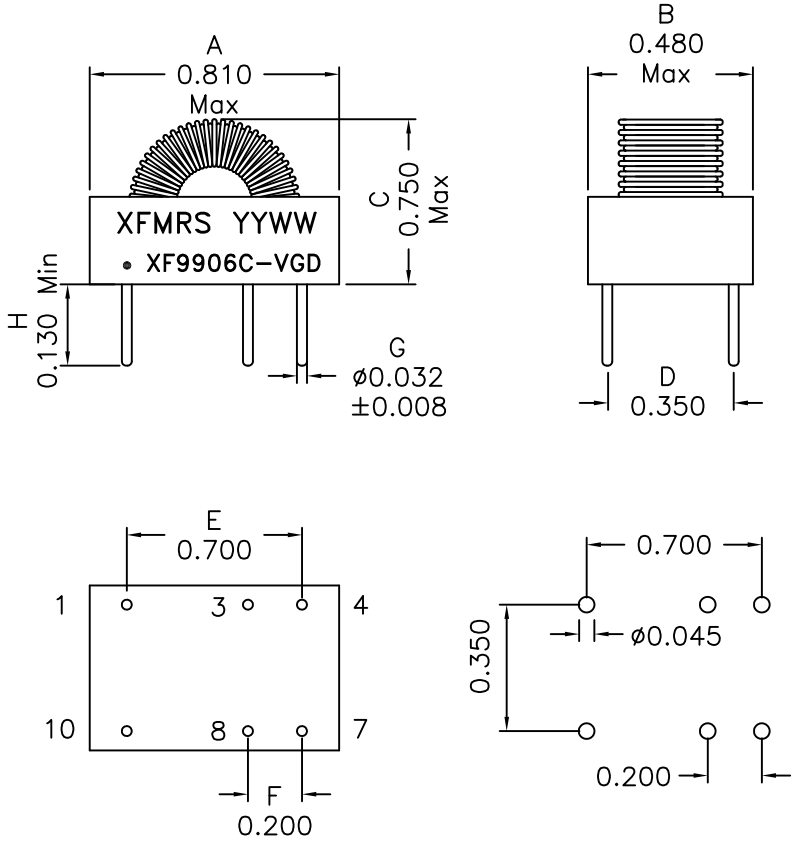
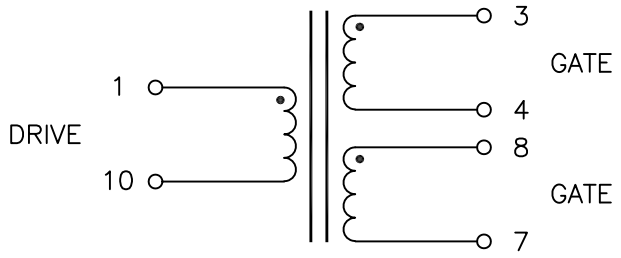
## 1. Mechanical Dimensions:




SUGGESTED PCB LAYOUT

## 2. Schematic:




## 3. Electrical Specifications:

OCL: Pins 1−10 990uH Min @100KHz 1V

Pins 1−10 400uH Min @100KHz 1V at −40C to 0C

Q: Pins 1−10 18 Min @100KHz 1V

LL: Pins 1−10 1.0uH Max @100KHz 1V

Pins 3,4,8&7 Shorted

DCR: 125mOhms Max (each wdg)

ET Constant: 130V−uS Max

Turns Ratio: Pins (1−10):(3−4):(8−7)= 1:1:1

HIPOT: 4500 Vrms Drive to Gate

SRF: Pins 1−10 400KHz Min

Notes:

1. Solderability: Leads shall meet MIL−STD−202G, Method 208H for solderability.
2. Flammability: UL94V−0
3. ASTM oxygen index: > 28%
4. Insulation System: Class F 155°C. UL file E151556
5. Operating Temperature Range: All listed parameters are to be within tolerance from −40°C to +130°C
6. Storage Temperature Range: −55°C to +130°C
7. Aqueous wash compatible
8. Electrical and mechanical specifications 100% tested
9. RoHS Compliant Component

DOC REV. A/3

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|---|---|---|---|
| XFMRS Inc. www.XFMRS.com | Title: OFFLINE GATE DRIVE TRANSFORMERS | | |
| UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxx ±0.010 Dimensions in Inch | P/N: XF9906C−VGD | | REV. A |
| | DWN. | Xiang | Nov−16−15 |
| | CHK. | YK Liao | Nov−16−15 |
| SHEET 1 OF 1 | APP. | Joe Huff | Nov−16−15 |

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