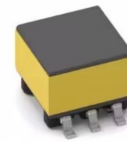


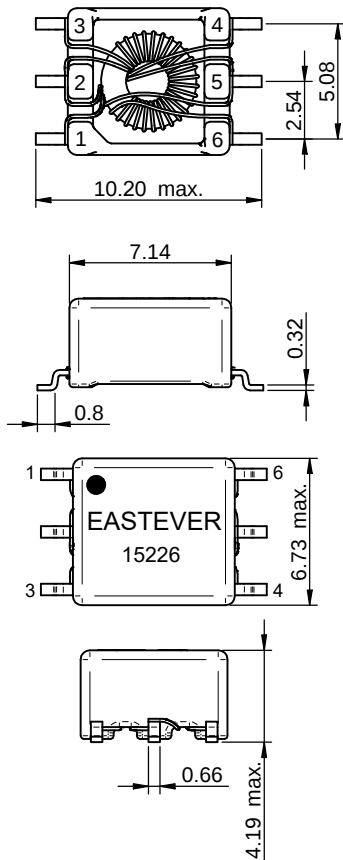
# Push-Pull Transformer

## EPF-1006-15226

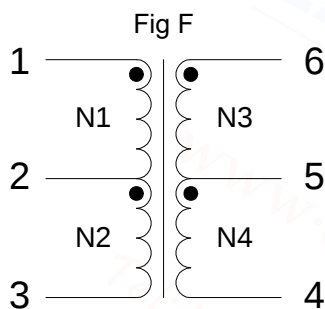
2024-11-28 Rev. 0



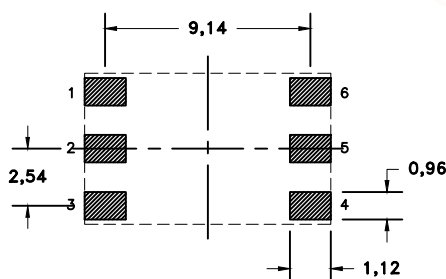
### Outline Drawing(mm)



### Electrical structure



### Recommended layout(mm)



### Features

- 260°C Reflow Compatible
- RoHS compliant and lead free
- Operating temperature range: -40 up to +125 °C
- Storage Conditions (for single parts):-20 up to +60 °C
- Storage Conditions (in original packaging):< 40 °C ; < 75 % RH

### Applications

- Solar inverters
- Process control
- AC motor drives
- Medical equipment
- Industrial automation
- Polyphase energy meters
- Protection relays and IEDs
- Isolated gate driver power supplies
- PLC analog and digital I/O modules
- RS-232, SPI, I2C, lower-power LAN
- Uninterruptible power supplies (UPS)
- Isolated interface power supply for CAN, RS-485, RS-422

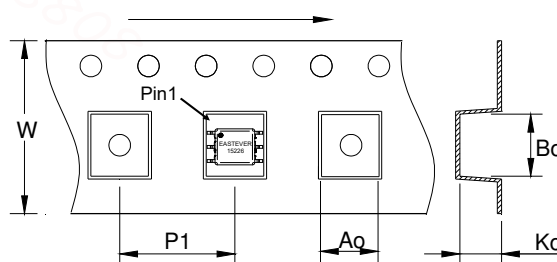
### Electrical Properties: @ 25°C

| Properties              |       | Test conditions         | Value | Unit   | Tol. |
|-------------------------|-------|-------------------------|-------|--------|------|
| Inductance              | L     | N1+N2/<br>100 kHz/10 mV | 388   | μH     | ±30% |
| Turns Ratio             | n     | N1+N2 : N3+N4           | 1:1.3 |        |      |
| DC Resistance 1         | RDC 1 | N1+N2/ 20 °C            | 0.145 | Ω      | ±10% |
| DC Resistance 2         | RDC 2 | N3+N4/ 20 °C            | 0.171 | Ω      | ±10% |
| Voltage-μSecond         | jUdt  | N1/ bipolar waveform    | 8.5   | Vμs    |      |
| Insulation Test Voltage | VT    | N1,2 => N3,4            | 2750  | V (AC) |      |

### Typical Application:

| Properties          |         | Value   | Unit   |
|---------------------|---------|---------|--------|
| Input               | Vin     | 3.3     | V (DC) |
| Output Current 1    | VOut1   | 4.3     | V (DC) |
| Output Current 1    | IOut1   | 0.85    | A      |
| Switching Frequency | fswitch | 350-550 | kHz    |

### Carrier Tape Orientation



### Tape & Reel Information

| Parameter    | Units | Value |
|--------------|-------|-------|
| Qty per reel | PCS   | 500   |
| Reel Size    | mm    | 330   |
| Tape Width   | mm    | 24.00 |
| P1           | mm    | 12.00 |
| Ao           | mm    | 6.80  |
| Bo           | mm    | 10.40 |
| Ko           | mm    | 4.10  |