

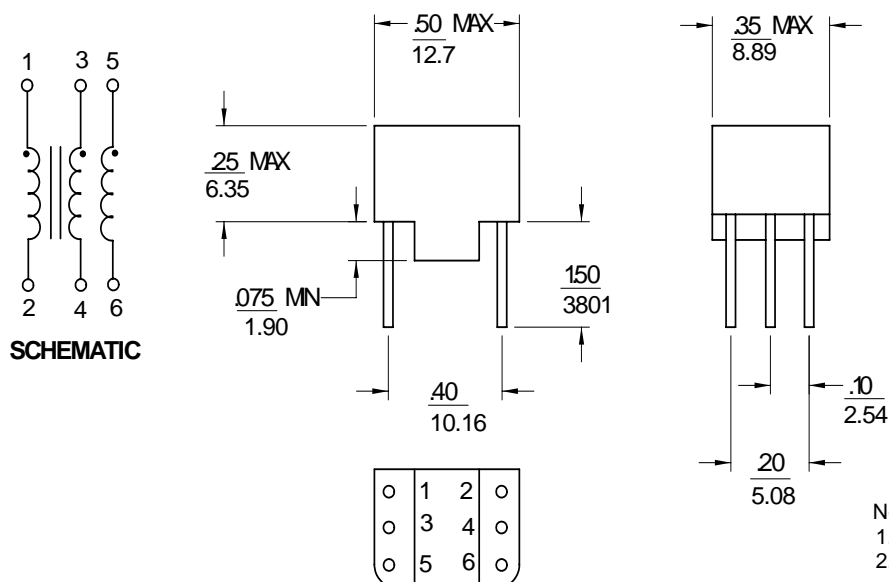


ROMOLAND, INC.

4258-00XX SERIES**TRANSFORMER MICROMINIATURE PULSE****Features**

- Dielectric Strength 250Vrms
- Insulation Resistance 10,000 Megohms
- Maximum Average Power 25 mW
- Peak Pulse Voltage 50 Volts
- MIL-PRF-21038 Seal Construction
- High Performance to Size Ratio
- Application Engineering Service: Engineering Data Available on Request
- Electrical Specification at 25°C

| Transformer P/N | Turns Ratio Pri:Sec:Ter | Primary Inductance μH ($\pm 20\%$) | ET Constant Volt μSec | Leakage Inductance μH (Max) | Interwind Capacitance pF (Max) | DCR Ω $\pm 20\%$ | | | Effective Distributed Capacitance | |
|-----------------|-------------------------|---|----------------------------------|--|--------------------------------|-------------------------|-------|-------|-----------------------------------|-----------------|
| | | | | | | 1 - 2 | 3 - 4 | 5 - 6 | 1-2 (1,3,5 GND) | 1-2 (1,4,6 GND) |
| 4258 -0001 | 1:1:1 | 8 | 3.5 | 0.4 | 11 | 0.7 | 0.7 | 0.7 | 4.0 | 14 |
| 4258 -0002 | 1:1:1 | 25 | 5.8 | 0.4 | 15 | 1.1 | 1.1 | 1.1 | 4.0 | 20 |
| 4258 -0003 | 1:1:1 | 50 | 8 | 0.5 | 21 | 1.4 | 1.4 | 1.4 | 4.0 | 27 |
| 4258 -0004 | 1:1:1 | 250 | 9 | 0.5 | 16 | 1.1 | 1.1 | 1.1 | 4.0 | 16 |
| 4258 -0005 | 1:1:1 | 500 | 12 | 0.9 | 36 | 1.9 | 1.9 | 1.9 | 10.0 | 25 |
| 4258 -0006 | 1:1:1 | 800 | 16 | 0.7 | 26 | 1.8 | 1.8 | 1.8 | 4.0 | 25 |
| 4258 -0007 | 1:1:1 | 2500 | 22 | 1.2 | 45 | 3.1 | 3.1 | 3.1 | 4.0 | 50 |
| 4258 -0008 | 2:1:1 | 25 | 5.8 | 1.5 | 9.5 | 1.1 | 0.7 | 0.7 | 4.0 | 14 |
| 4258 -0009 | 2:1:1 | 250 | 9 | 2.5 | 10 | 1.0 | 0.7 | 0.7 | 4.0 | 6.5 |
| 4258 -0010 | 2:1:1 | 2500 | 22 | 7.0 | 24 | 2.8 | 1.6 | 1.6 | 6.0 | 50 |

**Notes:**

1. Dimensions are in inches/mm.
2. Tolerances inches .XXX \pm .010
mm .XX \pm 25
3. Drawing is not to scale.