

# HIGH FREQUENCY MAGNETICS

## T1/CEPT Dual Line Interface Transformers

TM9908

- Minimum interwinding breakdown voltage of 1500 Vrms

### ELECTRICAL SPECIFICATIONS at 25° C

| Part Number  | Turns Ratio<br>±5% |          | Primary Inductance<br>mH min |        | Leakage Inductance<br>μH max |        | Interwinding Capacitance<br>pF max |        | DCR<br>Ω max |        |        |        |
|--------------|--------------------|----------|------------------------------|--------|------------------------------|--------|------------------------------------|--------|--------------|--------|--------|--------|
|              | Coil A             | Coil B   | Coil A                       | Coil B | Coil A                       | Coil B | Coil A                             | Coil B | Pri          |        | Sec    |        |
|              |                    |          |                              |        |                              |        |                                    |        | Coil A       | Coil B | Coil A | Coil B |
| 0553-0013-1J | 1 : 2 CT           | 1 : 2 CT | 1.2                          | 1.2    | 0.80                         | 0.80   | 35                                 | 35     | 0.8          | 1.8    | 0.8    | 1.8    |
| 0553-0013-2J | 1 : 2 CT           | 1 : 1.36 | 1.2                          | 1.2    | 0.80                         | 0.80   | 35                                 | 35     | 0.8          | 1.8    | 0.8    | 0.8    |
| 0553-0013-4J | 1CT : 2 CT         | 1 : 1    | 1.2                          | 1.2    | 0.80                         | 0.50   | 35                                 | 35     | 0.8          | 1.8    | 0.8    | 0.8    |
| 0553-1167-00 | 1: 1 / 1: 1.26     | 1 : 2 CT | 1.2                          | 1.2    | 0.50                         | 0.60   | 35                                 | 40     | 0.8          | 0.8    | 0.8    | 1.8    |
| 0559-5999-04 | 1 : 1.15 CT        | 1 : 2 CT | 1.2                          | 1.5    | 0.50                         | 0.60   | 35                                 | 40     | 0.7          | 1.1    | 0.8    | 1.8    |
| 0559-5999-05 | 1 : 1 / 1 : 1.26   | 1 : 2 CT | 1.2                          | 1.5    | 0.40                         | 0.50   | 35                                 | 40     | 0.7          | 1.1    | 0.8    | 1.8    |

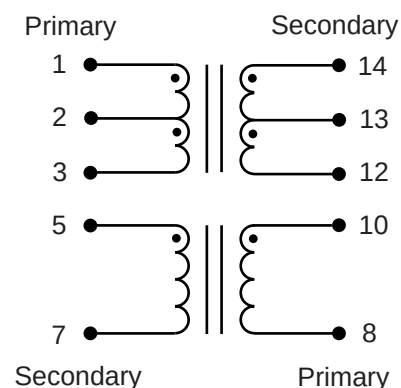
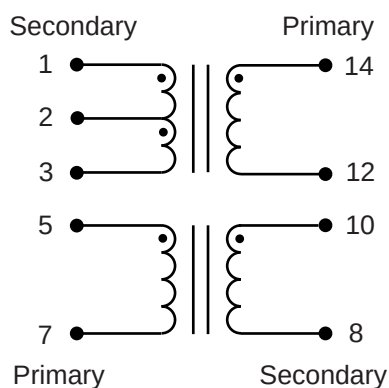
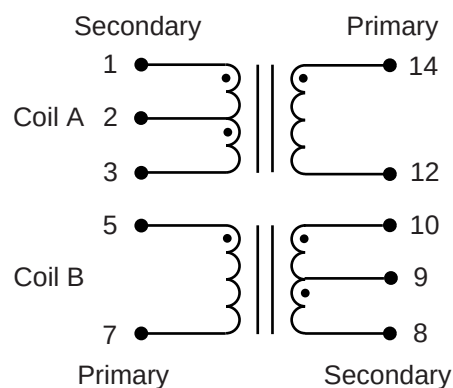
### SCHEMATICS

0553-0013-1J  
0559-5999-04

0553-1167-00\*  
0559-5999-05\*

0553-0013-2J

0553-0013-4J



\* (-00 & -05) 1 : 1 (12 - 14) : (2 - 3)  
1 : 1.26 (12 - 14) : (1 - 3)

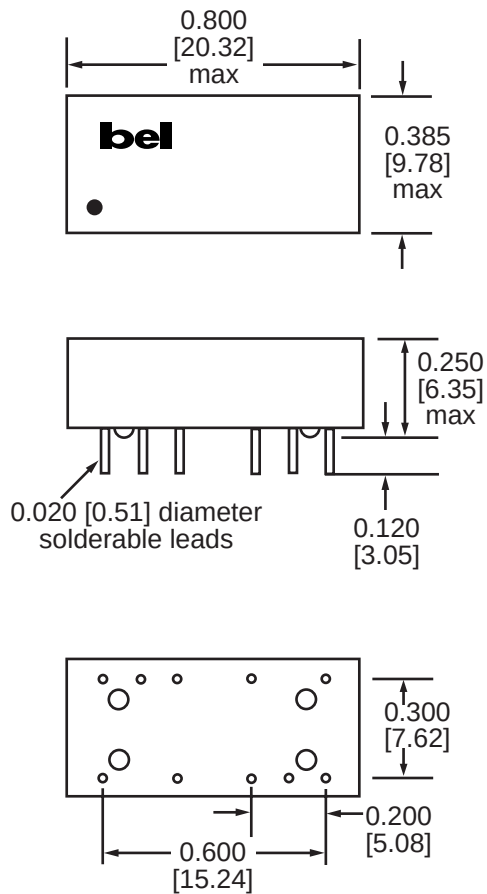
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### T1/CEPT Dual Line Interface Transformers

#### MECHANICAL

0553-0013-1J  
0553-0013-2J  
0553-0013-4J  
0553-1167-00\*  
0559-5999-04  
0559-5999-05



Dimensions are in inches [millimeters].  
Standard dimension tolerance is  
±0.020 [0.51] unless otherwise noted.

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