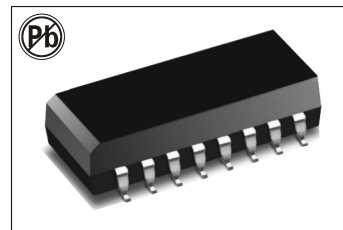


# E1/T1/ISDN-PRI TRANSFORMER

## T-100 SERIES



### FEATURES:

- Mini SWT SO package
- Extended Temperature Range
- 1500 Vrms Isolation

### OPTIONS:

- Tape & Reel is Standard
- Custom design available

### COMMON APPLICATIONS:

- E1/T1/CEPT/ISDN- Pri Transformer

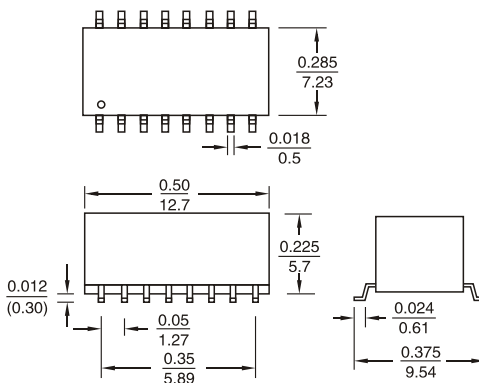
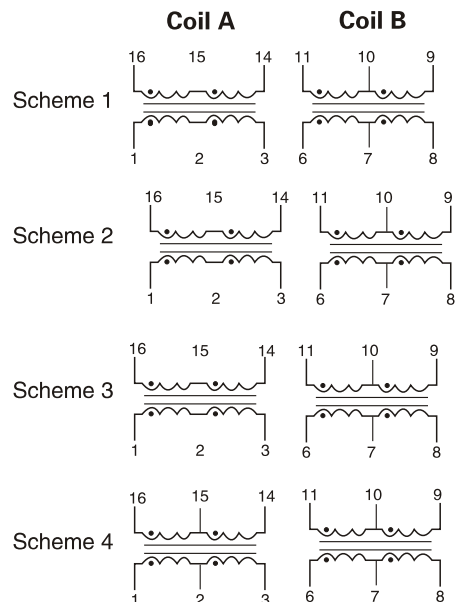
## STANDARD SPECIFICATIONS

| Part Number | Turns Ratio $\pm 2\%$ |            | Lp (mH) (Min) | Cww (pF) (Max) | L <sub>L</sub> (μH Max) A/B | DCR (Ω Max) |            | SCH | Primary Pins |        |
|-------------|-----------------------|------------|---------------|----------------|-----------------------------|-------------|------------|-----|--------------|--------|
|             | Coil A                | Coil B     |               |                |                             | A: Pri/Sec  | B: Pri/Sec |     | Coil A       | Coil B |
| T-101       | 1CT:2CT               | 1CT:2CT    | 1.5           | 45/45          | 0.6/0.6                     | 1.0/2.0     | 1.0/2.0    | 1   | 16-14        | 6-8    |
| T-102       | 1CT:2CT               | 1CT:2CT    | 1.5           | 45/45          | 0.5/0.5                     | 1.0/2.0     | 1.0/1.0    | 1   | 1-3          | 11-9   |
| T-103       | 1CT:1.41CT            | 1CT:1.41CT | 1.28          | 30/30          | 0.8/0.8                     | 0.7/0.9     | 0.7/0.9    | 1   | 1-3          | 11-9   |
| T-104       | 1CT:1.15CT            | 1CT:1.15CT | 1.5           | 45/45          | 0.5/0.5                     | 1.0/1.0     | 1.0/1.0    | 1   | 1-3          | 11-9   |
| T-105       | 1:1.15CT              | 1.2CT      | 1.5           | 40/40          | 0.5/0.5                     | 0.7/0.9     | 0.7/0.9    | 2   | 16-14        | 6-8    |
| T-106       | 1CT:1.25CT            | 1CT:2CT    | 1.5           | 40/40          | 0.5/0.5                     | 0.7/0.9     | 0.7/0.9    | 1   | 16-14        | 6-8    |
| T-107       | 1CT:2CT               | 1CT:2CT    | 1.2           | 30/30          | 0.6/0.6                     | 0.7/1.0     | 0.7/1.0    | 1   | 16-14        | 6-8    |
| T-108       | 1CT:1CT               | 1CT:1.36CT | 1.2           | 30/30          | 0.6/0.6                     | 0.7/0.7     | 0.7/0.7    | 1   | 16-14        | 6-8    |
| T-109       | 1CT:1.15CT            | 1CT:1.15CT | 1.2           | 30/30          | 0.6/0.6                     | 0.7/0.5     | 0.7/0.75   | 1   | 1-3          | 6-8    |
| T-110       | 1:1.15CT              | 1.2CT      | 1.2           | 30/30          | 0.6/0.6                     | 0.7/0.75    | 0.7/1.0    | 3   | 16-14        | 6-8    |
| T-111       | 1CT:1.41CT            | 1CT:1.41CT | 1.0           | 30/30          | 0.6/0.6                     | 0.7/0.9     | 0.7/0.9    | 1   | 16-14        | 11-9   |
| T-112       | 1CT:2.42CT            | 1CT:2.42CT | 1.2           | 25/25          | 0.6/0.6                     | 0.7/1.2     | 0.7/1.2    | 1   | 1-3          | 6-8    |
| T-113       | 1CT:2CT               | 1CT:1.36CT | 1.2           | 30/30          | 0.6/0.6                     | 0.7/1.2     | 0.7/0.8    | 4   | 16-14        | 6-8    |
| T-114       | 1:1.36CT              | 1.2CT      | 1.5           | 35/40          | 0.5/0.5                     | 0.9/1.3     | 0.9/1.3    | 2   | 16-14        | 6-8    |
| T-115       | 1CT:2.4CT             | 1CT:1CT    | 1.0           | 30/30          | 0.8/0.8                     | 0.85/1.5    | 0.85/0.85  | 1   | 1-3          | 11-9   |
| T-116       | 1:1/1.26              | 1:1/2CT    | 1.2           | 30/30          | 0.6/0.6                     | 0.7/0.8     | 0.7/1.0    | 3   | 16-14        | 6-8    |
| T-117       | 1CT:1CT               | 1CT:1.5CT  | 1.0           | 30/30          | 0.6/0.6                     | 0.7/0.7     | 0.7/1.0    | 1   | 16-14        | 6-8    |
| T-118       | 1CT:2CT               | 1CT:1.36CT | 1.2           | 30/30          | 0.6/0.6                     | 0.7/1.0     | 0.7/0.8    | 4   | 16-14        | 6-8    |

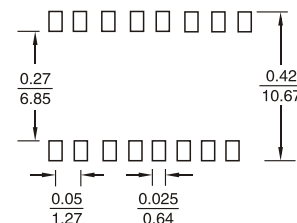
Note: 1. K =  $\pm 10\%$ , M =  $\pm 20\%$

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

NOTE: (Extend Temperature -40°C to 85°C, OCL is 0.6 mH min @ -40°C)



Dimension: Inch/mm



Recommended Pad Layout

- Soldering methods: Wave, Reflow
  - Operating Temperature: 0°C to 70°C (-40°C to 85°C Extended)
  - Storage Temperature: -55°C to 125°C
- Note: All specifications subject to change without notice.