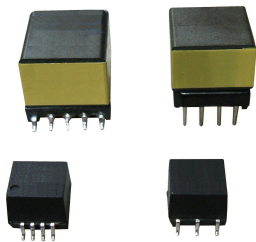


# Common Mode Chokes & Coupled Inductors

For use in xDSL Applications and all General Signal Applications

- Reduce Common Mode Noise
- Operating Temp -40°C to +85°C
- Multiple Lines Per Part
- IR Reflow Capable Product

Call Tamura Sales Engineering for detailed specifications or for new products not listed below.



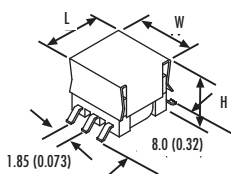
| Part #   | Size | Mounting | Turns Ratio<br>WDG:WDG | Inductance<br>@ 10KHz,<br>0.1V | DC Current<br>(mA) | WDG DCR<br>(Ω) | Package<br>Fig. | Schematic<br>Fig. |
|----------|------|----------|------------------------|--------------------------------|--------------------|----------------|-----------------|-------------------|
| TTC-4072 | EP13 | THT      | --                     | 95μH                           | 100                | 0.2            | B               | 1                 |
| TTC-4078 | EE5  | SMD      | 1:1                    | 348.5μH                        | 0                  | 5.45           | A               | 2                 |
| TTC-4079 | EE5  | SMD      | 1:1                    | 205μH                          | 0                  | 3.5            | A               | 2                 |
| TTC-4090 | EP13 | THT      | 1:1                    | 3.0mH                          | 150                | 2.5            | B               | 4                 |
| TTC-4091 | EP13 | THT      | 1:1                    | 5.0mH                          | 150                | 5.5            | B               | 4                 |
| TTC-4095 | EP13 | THT      | 1:1                    | 7.0mH                          | 100                | 7.5            | B               | 4                 |
| TTC-4096 | EP10 | THT      | 1:1                    | 5.0mH                          | 100                | 7.5            | D               | 7                 |
| TTC-4104 | EE5  | SMD      | 1:1                    | 300μH                          | 0                  | 5.2            | A               | 2                 |
| TTC-4106 | EP7  | EP7      | 1:1                    | 90μH                           | 100                | 1.0            | F               | 3                 |
| TTC-4110 | EP13 | SMD      | 1:1                    | 4.0mH                          | 100                | 4.5            | C               | 5                 |
| TTC-4111 | EP13 | SMD      | 1:1                    | 5.0mH                          | 100                | 5.0            | C               | 5                 |

| Application | Part #  | OCL<br>(mH)<br>Min | DCR<br>(Ω)<br>Max | HiPot<br>(Vrms) | CM Attenuation (dB) Typ. |      |       | Mounting  | Package<br>Fig. | Schematic<br>Fig. |
|-------------|---------|--------------------|-------------------|-----------------|--------------------------|------|-------|-----------|-----------------|-------------------|
|             |         |                    |                   |                 | 0.1MHz                   | 1MHz | 10MHz |           |                 |                   |
| ADSL        | TTC-314 | 6.3                | 1                 | 1500            | -30                      | -45  | -25   | 8 Pin SMD | E               | 6                 |

## Mechanical Dimensions mm (inches)

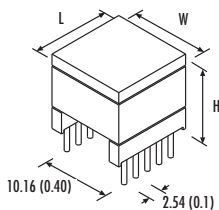
All dimensions are typical, please contact Tamura for tolerances and suggested layout information.

Fig. A



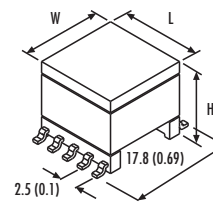
L:12.0 (0.48) W:12.5 (0.49) H:11.5 (0.45)

Fig. B



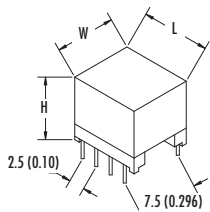
L:14.0 (0.55) W:14.0 (0.55) H:13.5 (0.53)

Fig. C



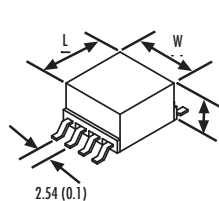
L:14.0 (0.55) W:14.0 (0.55) H:12.7 (0.50)

Fig. D



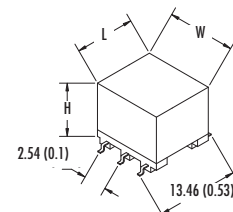
L:12.0 (0.48) W:12.5 (0.49) H:11.5 (0.45)

Fig. E



L:8.0 (0.31) W:6.6 (0.26) H:6.35 (0.25)

Fig. F



L:8.0 (0.31) W:6.6 (0.26) H:6.35 (0.25)

## TAMURA CORPORATION

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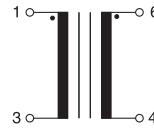
## Schematics



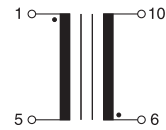
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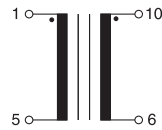
2



3



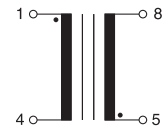
4



5



6



7

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|                                                                             |                                                                                                      |                                                                                              |                                                       |
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