

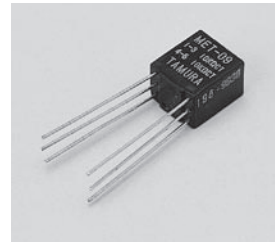


THE DATASHEET OF MET-59



Ultra Wideband Audio Transformers

- Highest Density Package Available
- Optimized for Audio Impedance
- Frequency Range: 300Hz - 100KHz
- HiPot: Most parts meet 1KVrms (Pri:Sec)

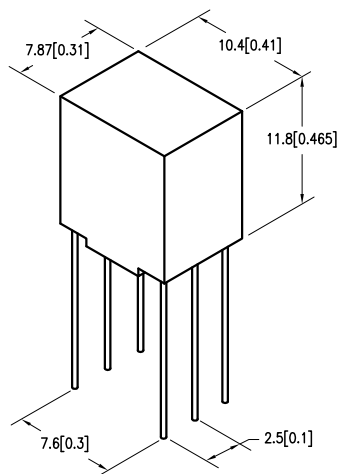


| Tamura Part # | Impedance (Pri. Ω) | Impedance (Sec. Ω) | Turns Ratio (Pri:Sec) | UnBalance Current (mA) | Max. Pwr. Level (mW) | Freq. Response (dB) | DCR (Pri. Ω) | DCR (Sec. Ω) | Schematic Fig. |
|---------------------|-----------------------|--------------------|-----------------------|------------------------|----------------------|---------------------|--------------|--------------|----------------|
| MET-01 | 200K CT | 1K CT | 14.1CT:1CT | 0.0 | 10.0 | +/-2 | 5300 | 120 | 1 |
| MET-05 | 25K CT | 1K CT | 5CT:1CT | 0.5 | 30.0 | +/-2 | 1600 | 95 | 1 |
| MET-09 | 10K CT | 10K CT | 1CT:1CT | 1 | 40.0 | +/-2 | 1000 | 1300 | 1 |
| MET-11 | 10K CT | 2K CT | 2.23CT:1CT | 1.0 | 40.0 | +/-2 | 1000 | 300 | 1 |
| MET-17 | 10K CT | 500 CT | 4.47CT:1CT | 1.0 | 40.0 | +/-2 | 1000 | 80 | 1 |
| MET-23 | 1.6K CT | 3.2 | 22.4CT:1 | 2.5 | 65.0 | +/-3 | 186 | 0.8 | 3 |
| MET-24 | 1.5K CT | 600 | 1.58CT:1 | 3 | 50.0 | +/-2 | 160 | 95 | 3 |
| MET-28 | 1K | 50 | 4.47:1 | 3.0 | 50.0 | +/-2 | 110 | 8 | 4 |
| MET-31 ¹ | 600 CT | 600 CT | 1CT:1CT | 3 | 50.0 | +/-2 | 70 | 95 | 1 |
| MET-32 | 600 | 150/150 | 2:1:1 | 3 | 50.0 | +/-2 | 70 | 95 | 2 |
| MET-35 | 600 CT | 8 | 8.66CT:1 | 4.5 | 50.0 | +/-2 | 60 | 1.5 | 3 |
| MET-39 | 500 | 50 | 3.16:1 | 3.0 | 50.0 | +/-2 | 55 | 8 | 4 |
| MET-42 | 150 | 12 | 3.54:1 | 10.0 | 50.0 | +/-2 | 20 | 2.5 | 4 |
| MET-46 ¹ | 600 | 600 | 1:1 | 3 | 50.0 | +/-2 | 72 | 93 | 4 |
| MET-50 | 10K | 125 | 8.62:1 | 0.0 | 10.0 | +/-3 | 1100 | 28 | 4 |
| MET-59 | 600 | 150/150 | 1:1CT | 3.0 | 50.0 | +/-2 | 70 | 95 | 2 |
| MET-60 | 135 | 135 CT | 1:1CT | 10 | 50.0 | +/-2 | 10 | 10 | 5 |
| METC-99 | Optional Metal Shield | | | | | | | | |

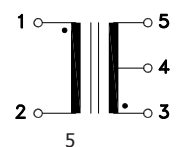
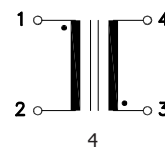
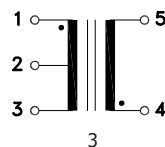
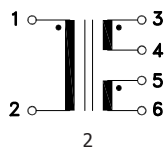
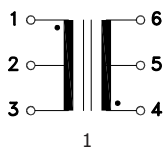
¹ Meets FCC Parts 68 (Hi-Pot 1.5KV or 1.0KV)

Mechanical Dimensions mm (inches)

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



Schematics



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