

## MTC21100 Series (Horizontal type)

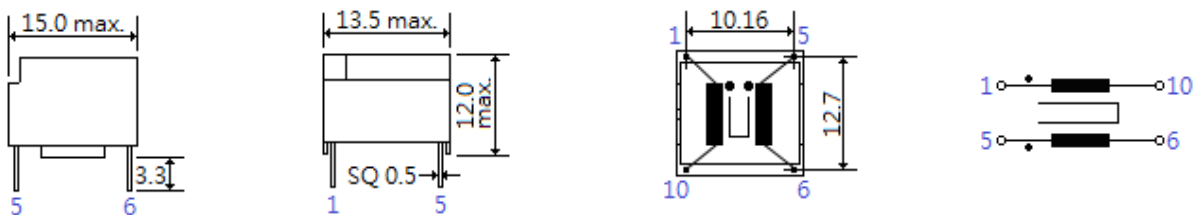
### Features :

- High safety and reliability.
- Operating temperature range of -25°C to +100°C.
- Excellent frequency characteristic.
- Ferrite core material.
- Compact size, Light weight.

### Applications :

- DC-DC converter , Car recharger , Switch-mode power supply
- EMI / EMC Suppressor , TV , Monitor

### Shapes And Dimensions : (Unit :mm)



### Standard electrical specifications :

| Part Number   | Inductance (L)<br>Per winding | RDC ( mΩ)<br>Per winding (typ.) | Rated Current (max.)<br>( A ) | Hi-Pot : W1 to W2<br>( V ) |
|---------------|-------------------------------|---------------------------------|-------------------------------|----------------------------|
| MTC21150-01-E | 0.5mH                         | 45                              | 1.0                           | 1500                       |
| MTC21150-E    | 1.0mH                         | 180                             | 0.3                           | 1500                       |
| MTC21151-E    | 1.0mH                         | 100                             | 0.5                           | 1500                       |
| MTC21152-E    | 1.0mH                         | 55                              | 1.0                           | 1500                       |
| MTC21153-E    | 1.5mH                         | 200                             | 0.3                           | 1500                       |
| MTC21154-E    | 1.5mH                         | 168                             | 0.5                           | 1500                       |
| MTC21155-E    | 2.2mH                         | 286                             | 0.3                           | 1500                       |
| MTC21156-E    | 3.3mH                         | 339                             | 0.3                           | 1500                       |
| MTC21157-E    | 4.7mH                         | 664                             | 0.3                           | 1500                       |
| MTC21157-A-E  | 5.0mH                         | 270                             | 0.4                           | 1500                       |
| MTC21158-E    | 6.8mH                         | 827                             | 0.3                           | 1500                       |
| MTC21159-E    | 8.2mH                         | 908                             | 0.3                           | 1500                       |
| MTC21160-E    | 10.0mH                        | 972                             | 0.3                           | 1500                       |
| MTC21161-E    | 15.0mH                        | 1070                            | 0.3                           | 1500                       |
| MTC21162-E    | 20.0mH                        | 1260                            | 0.3                           | 1500                       |
| MTC21163-E    | 27.0mH                        | 1490                            | 0.3                           | 1500                       |
| MTC21164-E    | 33.0mH                        | 1640                            | 0.3                           | 1500                       |

- Rated Inductance : measured at 25°C and F @ 10KHz 50mV
- Tolerance: + 50 - 30%
- DC resistance: at 25°C
- Testing voltage 1500V,50Hz ,2 sec,(winding - winding)
- Over temperature of winding < 55°C
- Operating temperature range - 40°C ~ +100°C

\*\*Customer's specifications are welcome\*\*

