

MOX-TMI-78U-SERIES

Unshielded 7.8mm Molded Coils

MoxiE's MOX-TMI-78U series of molded coils are engineered with a precision molded polypropylene case which provides electrical & mechanical stability.

Features:

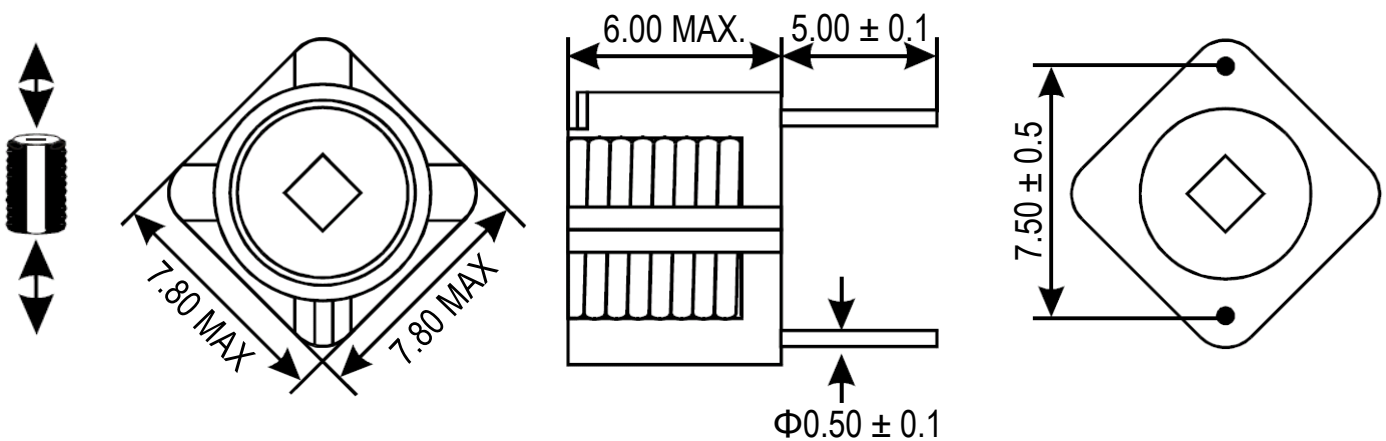
- Low drift reliability.
- Shielded case available.
- Frequency Range: 30MHz~150MHz.
- Temperature coefficient: 150ppm/°C maximum.
- RoHS compliant.
- MoxiE Inductor Corporation custom designs available.



NOTES



MECHANICAL DIMENSIONS (mm)



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ELECTRICAL SPECIFICATIONS @ 25°C

| MoxiE Part Number | Case Color | Inductance Nominal (nH) | Inductance Minimum (nH) | Inductance Maximum (nH) | Q Minimum | Test Frequency (MHz) |
|-------------------|------------|-------------------------|-------------------------|-------------------------|-----------|----------------------|
| MOX-TMI-78U-1.5T | White | 29.90 | 25.30 | 34.50 | 100 | 100 |
| MOX-TMI-78U-2.5T | Red | 56.50 | 46.50 | 66.50 | 100 | 100 |
| MOX-TMI-78U-3.5T | Orange | 92.50 | 74.50 | 110.50 | 100 | 100 |
| MOX-TMI-78U-4.5T | Yellow | 137.00 | 114.00 | 160.00 | 70 | 100 |
| MOX-TMI-78U-5.5T | Green | 169.50 | 143.50 | 195.50 | 70 | 50 |
| MOX-TMI-78U-6.5T | Blue | 220.50 | 195.50 | 245.50 | 70 | 50 |

MOXIE NOTES:

- Average current for a 40°C rise above 25°C ambient.
- MoxiE custom colors available upon request.
- Ferrite cores are available if the inductance value needs to be increased. (brass or aluminum cores are standard)
- Operating temperature range -40°C to +85°C.
- MoxiE test instruments: Q-METER171, Inductance: HP4191A.
- All inductance values greater than 0.1 μ H read at recommended Q meter frequency.
- All inductance values below 0.1 μ H calculated from readings taken at 50 MHz.
- MoxiE Inductor Corporation specifications are subject to change without notice.
- MoxiE Inductor Corporation custom designed products are subject to United States copyright and or Patent protection(s).