

# 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

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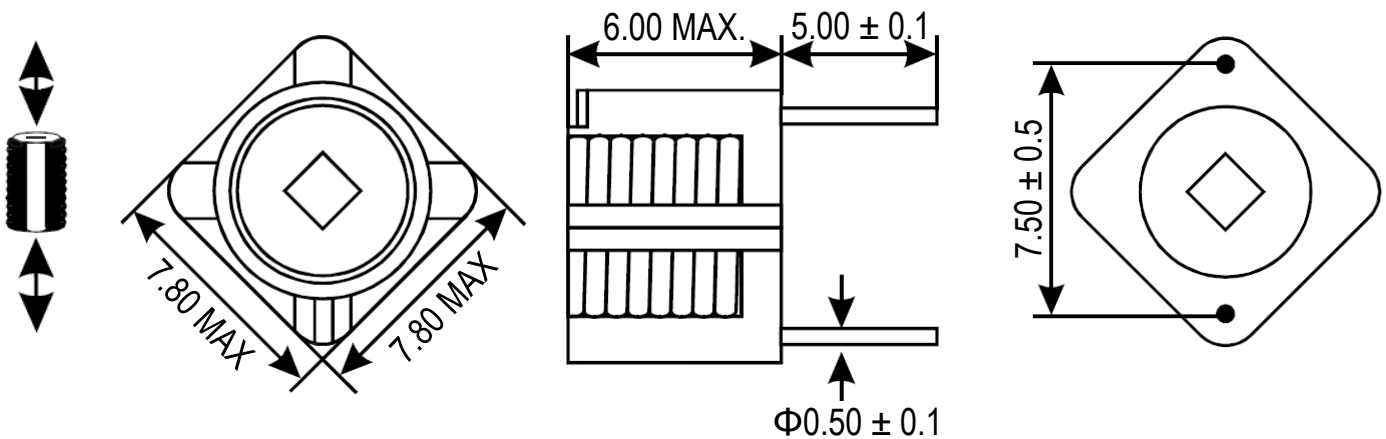
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## MECHANICAL DIMENSIONS (mm)



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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  $\mu\text{H}$  read at recommended Q meter frequency.
- All inductance values below 0.1  $\mu\text{H}$  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).