

MOX-TMI-10S-SERIES

Shielded 10mm Tunable Coils

MoxiE's MOX-TMI-10S series of tunable RF coils are engineered with shielded case which provides electrical & mechanical stability.

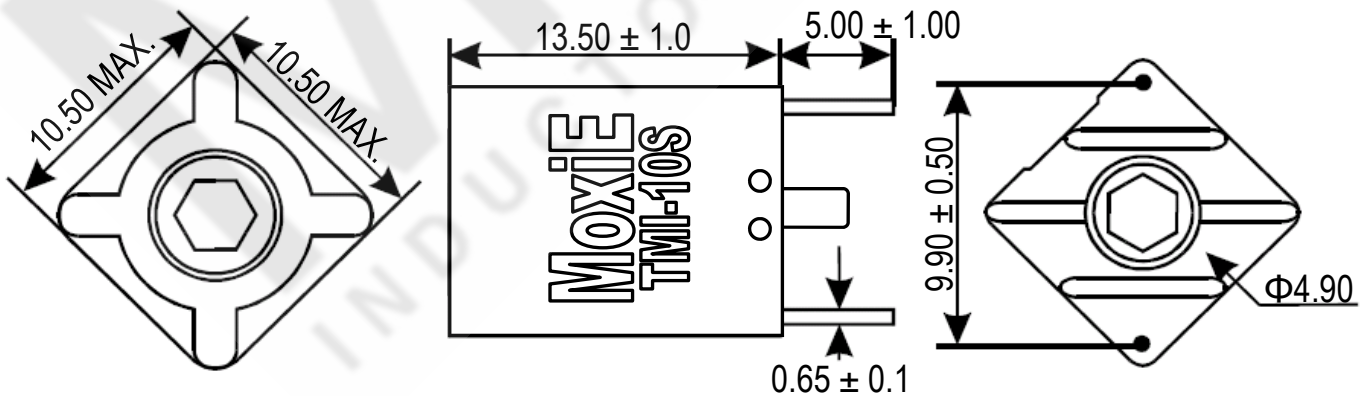
Features:

- Low drift reliability.
- Frequency Range: 30MHz~250MHz.
- Temperature coefficient: 150ppm/°C maximum.
- RoHS compliant.
- MoxiE Inductor Corporation custom designs available.



NOTES

MECHANICAL DIMENSIONS



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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-10S-1.5T | White | 36.0 | 30.4 | 41.6 | 70.0 | 100 |
| MOX-TMI-10S-2.5T | Red | 69.5 | 54.5 | 84.5 | 78.0 | 100 |
| MOX-TMI-10S-3.5T | Orange | 115.5 | 83.5 | 147.5 | 80.0 | 100 |
| MOX-TMI-10S-4.5T | Yellow | 139.5 | 108.5 | 170.5 | 76.0 | 100 |
| MOX-TMI-10S-5.5T | Green | 184.5 | 140.5 | 228.5 | 70.0 | 100 |
| MOX-TMI-10S-6.5T | Blue | 223.5 | 185.0 | 262.0 | 66.0 | 100 |
| MOX-TMI-10S-7.5T | Violet | 277.0 | 206.0 | 348.0 | 76.0 | 100 |
| MOX-TMI-10S-8.5T | Gray | 309.0 | 258.0 | 360.0 | 66.0 | 100 |
| MOX-TMI-10S-9.5T | White | 370.0 | 325.0 | 415.0 | 60.0 | 100 |
| MOX-TMI-10S-10.5T | Red | 417.5 | 365.0 | 470.0 | 60.0 | 100 |

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 μH read at recommended Q meter frequency.
- All inductance values below 0.1 μH calculated from readings taken at 100 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).