

# 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

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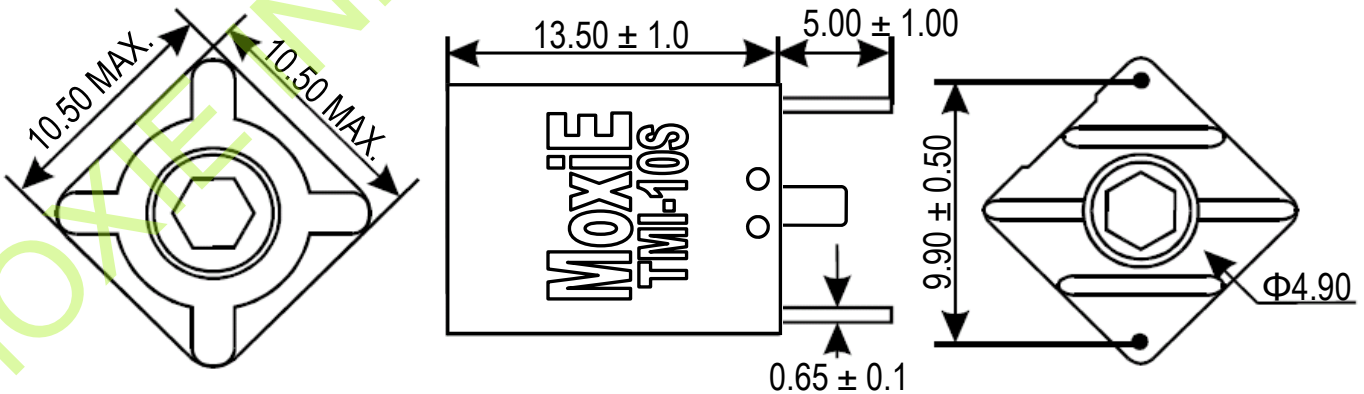
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## MECHANICAL DIMENSIONS



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