

MOX-CS1 SERIES

HIGH FREQUENCY CURRENT SENSING TRANSFORMER



MoxiE's MOX-CS1 Series of high frequency current sensors are engineered for precise current sensing.

Features:

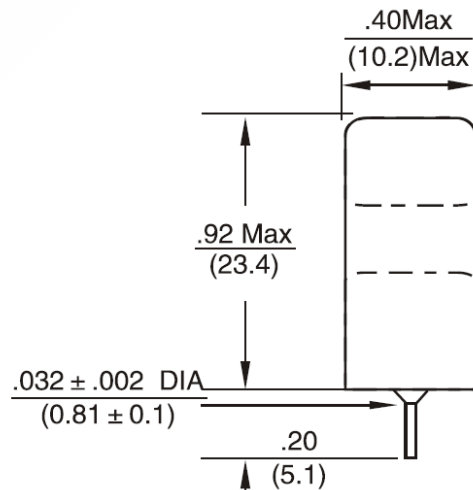
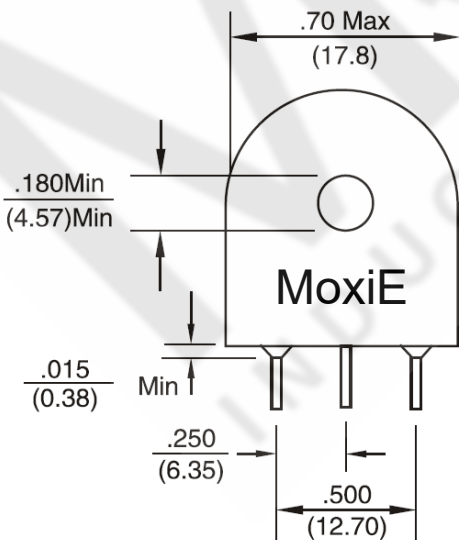
- Meets UL94-V0 requirements.
- Operating temperature: -10° to 85°C.
- Storage temperature: -25° to 85°C.
- Low cost.
- RoHS compliant.
- MoxiE custom designs available.



NOTES



MECHANICAL DIMENSIONS



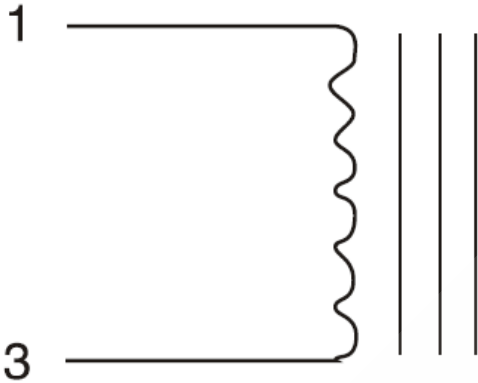
SOLDERABLE
PIN. TYP

MOX-CS1 SERIES

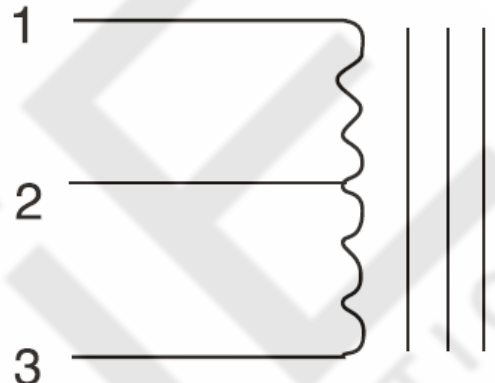
HIGH FREQUENCY CURRENT SENSING TRANSFORMER



SCHEMATICS



SCHEMATIC 1



SCHEMATIC 2



MOX-CS1 ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Schematic	Turns ($\pm 1\%$ Max.)	OCL (mH Min.)	DCR (Ω Max.)	ET (V- μ Sec-Min)
MOX-CS1-001	1	50	5.0	0.7	150
MOX-CS1-002	1	100	20.0	1.40	300
MOX-CS1-003	1	200	80.0	4.50	600
MOX-CS1-004	1	300	180.0	11.0	900
MOX-CS1-005	2	50CT	5.0	0.7	150
MOX-CS1-006	2	100CT	20.0	1.40	300
MOX-CS1-007	2	200CT	80.0	4.50	600
MOX-CS1-008	2	300CT	180.0	11.0	900



ENGINEERING DATA

- WORKING FREQUENCY RANGE: 10kHz ~ 1.00MHz.
- TEST FREQUENCY: 10kHz 0.1 VRMS.
- HIPOT: 2000VAC, PRIMARY TO SECONDARY.
- MAXIMUM SENSING CURRENT: 20A p-p.
- ALL SECONDARY MEASUREMENTS ARE IN PINS 1-3.
- MOXIE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.