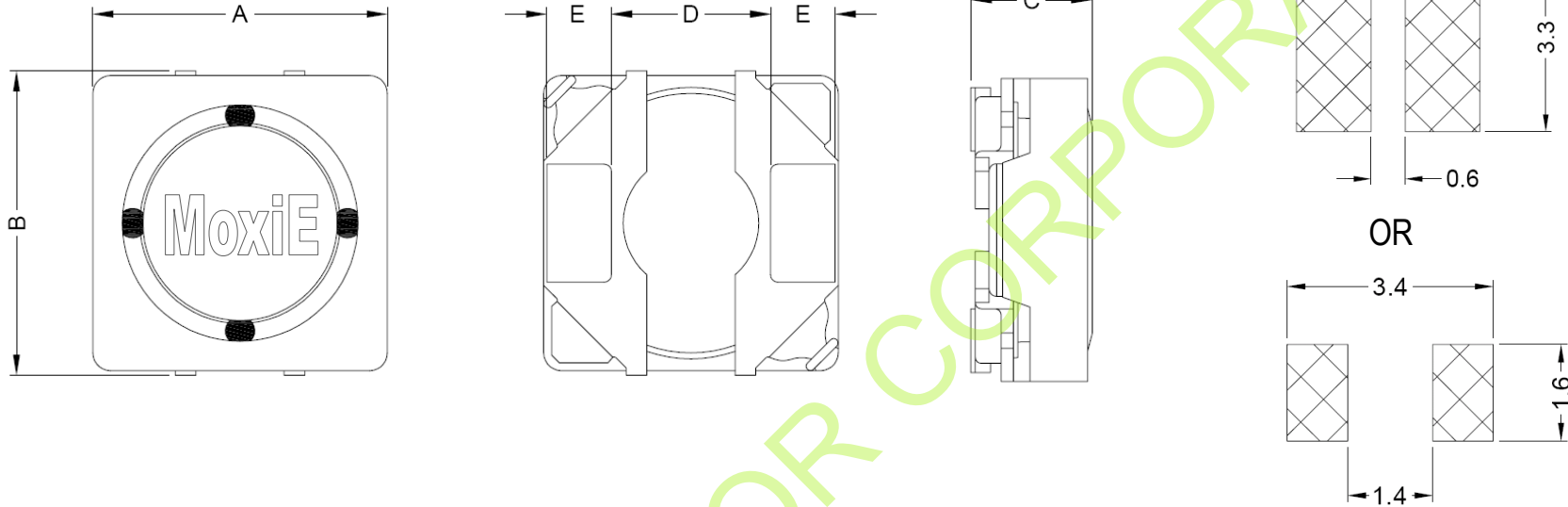


MECHANICAL



A	B	C	D	E	F	G
3.00 ± 0.2	3.00 ± 0.3	1.50 MAX.	1.50 TYP.	0.70 TYP.	1.20 TYP.	0.70 TYP.

MOXIE NOTES:

- ALL DIMENSIONS IN MILLIMETERS.
- RoHS COMPLIANT.
- HALOGEN FREE.
- OPERATING TEMPERATURE RANGE: -40°C TO +105°C.
- STORAGE TEMPERATURE RANGE: -55°C TO +105°C..
- MOXIE INDUCTOR CORPORATION CUSTOM DESIGNS AVAILABLE.
- MOXIE INDUCTOR CORPORATION SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



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MOX-SPI-3015HF SERIES

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REV. A



ELECTRICAL

MOXIE PART NUMBER	INDUCTANCE (μH)	TOLERANCE	TEST FREQUENCY	RDC (mΩ) MAX.	IDC ¹ (A)	IDC ² (A)	OPERATING TEMPERATURE
MOX-SPI-3015HF-1R5	1.50	±30%	0.1V / 100kHz	70.0	2.10	1.69	-40°C TO +105°C
MOX-SPI-3015HF-1R8	1.80	±30%	0.1V / 100kHz	80.0	1.80	1.60	-40°C TO +105°C
MOX-SPI-3015HF-2R2	2.20	±30%	0.1V / 100kHz	90.0	1.60	1.45	-40°C TO +105°C
MOX-SPI-3015HF-2R7	2.70	±30%	0.1V / 100kHz	100.0	1.50	1.35	-40°C TO +105°C
MOX-SPI-3015HF-3R3	3.30	±30%	0.1V / 100kHz	110.0	1.40	1.30	-40°C TO +105°C
MOX-SPI-3015HF-3R9	3.90	±30%	0.1V / 100kHz	120.0	1.30	1.25	-40°C TO +105°C
MOX-SPI-3015HF-4R7	4.70	±20%	0.1V / 100kHz	160.0	1.10	1.15	-40°C TO +105°C
MOX-SPI-3015HF-5R6	5.60	±20%	0.1V / 100kHz	170.0	1.00	1.10	-40°C TO +105°C
MOX-SPI-3015HF-6R8	6.80	±20%	0.1V / 100kHz	230.0	0.90	1.05	-40°C TO +105°C
MOX-SPI-3015HF-8R2	8.20	±20%	0.1V / 100kHz	280.0	0.85	1.00	-40°C TO +105°C
MOX-SPI-3015HF-100	10.0	±20%	0.1V / 100kHz	360.0	0.80	0.90	-40°C TO +105°C
MOX-SPI-3015HF-120	12.0	±20%	0.1V / 100kHz	420.0	0.70	0.80	-40°C TO +105°C
MOX-SPI-3015HF-150	15.0	±20%	0.1V / 100kHz	500.0	0.65	0.70	-40°C TO +105°C
MOX-SPI-3015HF-180	18.0	±20%	0.1V / 100kHz	590.0	0.60	0.60	-40°C TO +105°C
MOX-SPI-3015HF-220	22.0	±20%	0.1V / 100kHz	720.0	0.50	0.55	-40°C TO +105°C
MOX-SPI-3015HF-270	27.0	±20%	0.1V / 100kHz	820.0	0.45	0.50	-40°C TO +105°C

MOXIE NOTES:

- ALL DIMENSIONS IN MILLIMETERS.
- RoHS COMPLIANT.
- HALOGEN FREE.
- IDC1: BASED ON INDUCTANCE CHANGE ($\Delta L/L_0 \leq 30\%$ @ AMBIENT TEMPERATURE 25°C).
- IDC2: BASED ON TEMPERATURE RISE (ΔT : 40°C TYPICAL).
- RATED CURRENT: IDC1 OR IDC2, WHICHEVER IS LOWER.
- OPERATING TEMPERATURE RANGE: -40°C TO +105°C.
- STORAGE TEMPERATURE RANGE: -55°C TO +105°C.
- RESISTANCE TO SOLDERING HEAT: 260°C FOR 10 SECONDS.
- MOXIE INDUCTOR CORPORATION CUSTOM DESIGNS AVAILABLE.
- MOXIE INDUCTOR CORPORATION SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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