

# MOX-TFI-0402



## THIN FILM CHIP INDUCTORS

MoxiE's MOX-TFI Series are a thin film chip inductor widely used in communication applications such as cellular phones, cable modems, ADSL repeaters & Bluetooth.

### Features:

- Low cost.
- Operating temperature:  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .
- Available tolerances:  $\pm 20\%$  &  $\pm 30\%$ .
- RoHS compliant.
- Industry standard package types for drop in replacement.

MoxiE<sup>®</sup>  
INDUCTOR CORPORATION

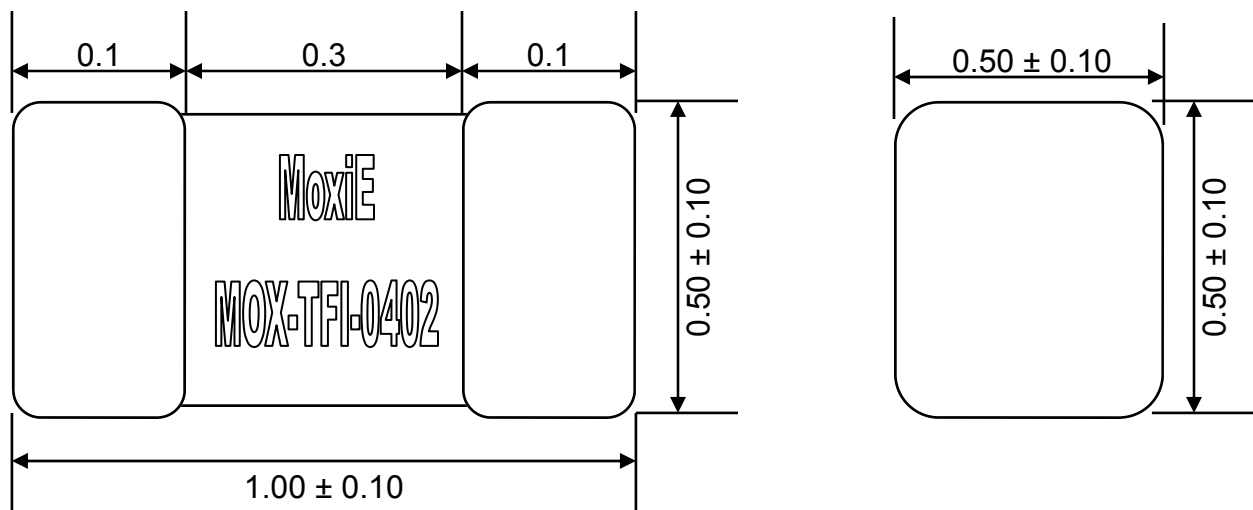


## NOTES

- Available Tolerances: S=  $\pm 0.3\text{nH}$ , D=  $\pm 0.5\text{nH}$ , J=  $\pm 5\%$ ,
- RoHS compliant
- Packaging: Tape & Reel. (10,000 pcs per reel)
- MoxiE Inductor Corporation specifications are subject to change without notice.

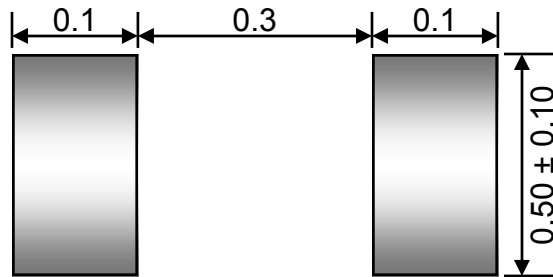


## MECHANICAL DIMENSIONS





## LANDING PATTERN



## ELECTRICAL SPECIFICATIONS

Moxie Part Number	Inductance @100MHz (nH)	Tolerance (%)	Q Min.	SRF Min. (GHz)	RDC Max. (Ω)	IDC Max. (mA)
MOX-TFI-0402-1N0□	1.00	S	5	12.0	0.10	500
MOX-TFI-0402-1N2□	1.20	S	5	11.0	0.15	500
MOX-TFI-0402-1N5□	1.50	S	6	9.50	0.16	500
MOX-TFI-0402-1N8□	1.80	S	6	8.50	0.20	500
MOX-TFI-0402-2N2□	2.20	S	6	8.00	0.21	500
MOX-TFI-0402-2N7□	2.70	S	7	7.50	0.23	500
MOX-TFI-0402-3N3□	3.30	S	7	7.00	0.25	400
MOX-TFI-0402-3N9□	3.90	S	7	6.50	0.28	400
MOX-TFI-0402-4N7□	4.70	S	7	6.00	0.32	400
MOX-TFI-0402-5N6□	5.60	D	7	5.70	0.35	400
MOX-TFI-0402-6N8□	6.80	D	7	5.50	0.38	400
MOX-TFI-0402-8N2□	8.20	D	7	5.00	0.42	350
MOX-TFI-0402-10N□	10.00	J	7	4.70	0.45	350
MOX-TFI-0402-12N□	12.00	J	7	4.30	0.50	350
MOX-TFI-0402-15N□	15.00	J	7	4.00	0.55	300
MOX-TFI-0402-18N□	18.00	J	7	3.70	0.65	250
MOX-TFI-0402-22N□	22.00	J	7	3.50	0.75	200
MOX-TFI-0402-27N□	27.00	J	7	3.00	0.95	200
MOX-TFI-0402-33N□	33.00	J	7	2.50	1.10	200
MOX-TFI-0402-39N□	39.00	J	6	2.00	1.20	200
MOX-TFI-0402-47N□	47.00	J	6	1.80	1.30	200
MOX-TFI-0402-56N□	56.00	J	6	1.50	1.40	200
MOX-TFI-0402-68N□	68.00	J	6	1.20	1.60	150
MOX-TFI-0402-82N□	82.00	J	6	1.00	1.80	150
MOX-TFI-0402-R10□	100.00	J	6	0.80	2.20	100