

# MOX-TFI-0603



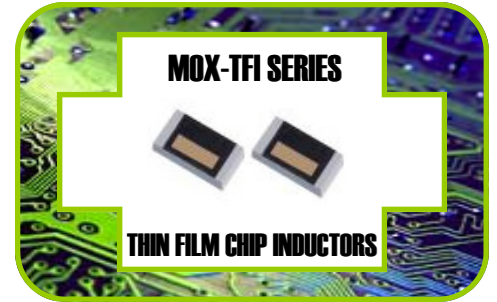
## THIN FILM CHIP INDUCTORS

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

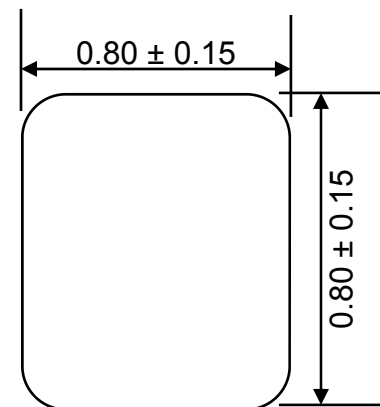
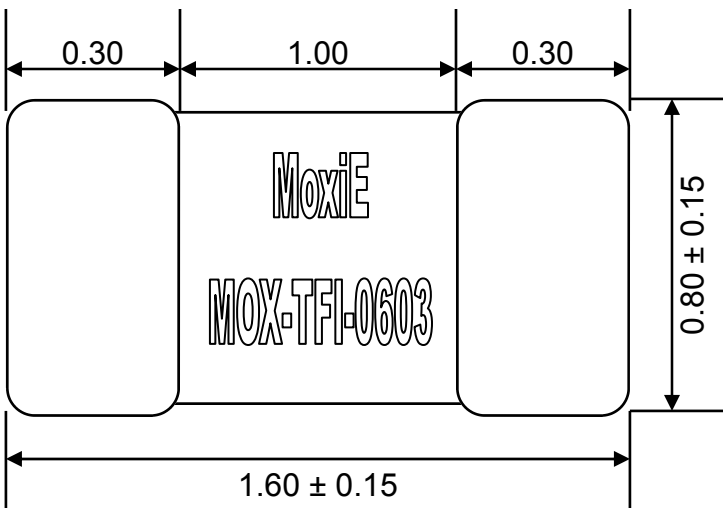


## NOTES

- Available Tolerances: S=  $\pm 0.3\text{nH}$ , D=  $\pm 0.5\text{nH}$ , J=  $\pm 5\%$ ,
- RoHS compliant
- Packaging: Tape & Reel. (4,000 pcs per reel)
- MoxiE Inductor Corporation specifications are subject to change without notice.

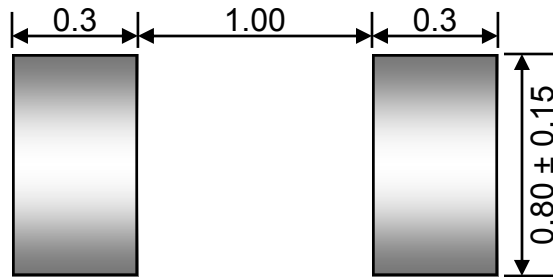


## MECHANICAL DIMENSIONS





## LANDING PATTERN



## ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Inductance @100MHz (nH)	Tolerance (%)	Q Min.	SRF Min. (GHz)	RDC Max. (Ω)	IDC Max. (mA)
MOX-TFI-0603-1N0□	1.00	S	8	10.0	0.10	600
MOX-TFI-0603-1N2□	1.20	S	8	10.0	0.10	600
MOX-TFI-0603-1N5□	1.50	S	8	10.0	0.10	600
MOX-TFI-0603-1N8□	1.80	S	8	9.80	0.10	600
MOX-TFI-0603-2N2□	2.20	S	10	7.60	0.15	600
MOX-TFI-0603-2N7□	2.70	S	10	7.00	0.15	600
MOX-TFI-0603-3N3□	3.30	S	10	6.20	0.20	600
MOX-TFI-0603-3N9□	3.90	S	10	5.60	0.20	600
MOX-TFI-0603-4N7□	4.70	S	10	4.80	0.20	600
MOX-TFI-0603-5N6□	5.60	D	10	4.60	0.20	600
MOX-TFI-0603-6N8□	6.80	D	10	4.20	0.20	600
MOX-TFI-0603-8N2□	8.20	D	10	3.60	0.20	600
MOX-TFI-0603-10N□	10.00	J	12	3.20	0.25	600
MOX-TFI-0603-12N□	12.00	J	12	2.80	0.25	600
MOX-TFI-0603-15N□	15.00	J	12	2.60	0.30	600
MOX-TFI-0603-18N□	18.00	J	12	2.40	0.35	600
MOX-TFI-0603-22N□	22.00	J	12	2.00	0.40	500
MOX-TFI-0603-27N□	27.00	J	12	1.90	0.50	500
MOX-TFI-0603-33N□	33.00	J	12	1.60	0.55	500
MOX-TFI-0603-39N□	39.00	J	12	1.40	0.60	400
MOX-TFI-0603-47N□	47.00	J	14	1.20	0.70	400
MOX-TFI-0603-56N□	56.00	J	14	1.00	0.75	400
MOX-TFI-0603-68N□	68.00	J	14	0.90	0.80	300
MOX-TFI-0603-82N□	82.00	J	14	0.80	0.90	300
MOX-TFI-0603-R10□	100.00	J	14	0.70	1.00	300
MOX-TFI-0603-R12□	120.00	J	14	0.60	1.20	300
MOX-TFI-0603-R15□	150.00	J	14	0.50	1.30	250
MOX-TFI-0603-R18□	180.00	J	14	0.40	1.40	250
MOX-TFI-0603-R22□	220.00	J	14	0.40	1.70	200
MOX-TFI-0603-R27□	270.00	J	14	0.35	2.00	200