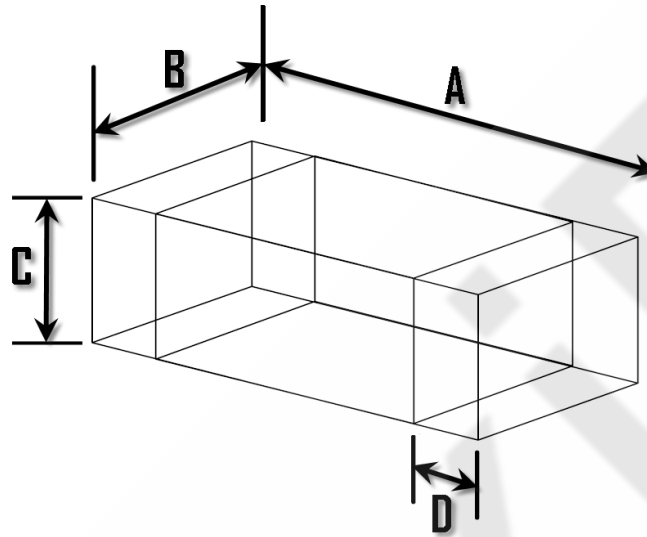


MECHANICAL (mm)



MOXIE PART NUMBER	A	B	C	D
MOX-MLCIR-0402	1.00 ± 0.15	0.50 ± 0.15	0.50 ± 0.15	0.25 ± 0.15
MOX-MLCIR-0603	1.60 ± 0.20	0.80 ± 0.15	0.80 ± 0.15	0.30 ± 0.20
MOX-MLCIR-0805	2.00 ± 0.20	1.25 ± 0.20	0.90 ± 0.20	0.50 ± 0.30

MOXIE NOTES:

- Operating temperature range -55°C to +125°C.
- Storage temperature range -55°C to +125°C.
- RoHS-6 peak wave solder temperature rating 260°C.
- RoHS Compliant.
- Tolerance : S = ± 0.3nH, K = ± 10%, J = ± 5%, G = ± 2%
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REV. B

DWG NUMBER: MOXMLCIR

MoxiE Part Number	L (nH)	Tolerance (±%)	Q		Test Frequency (MHz)	SRF MHz Minimum	DCR (Ω) Maximum	IDC (mA) Maximum
			Minimum 100MHz	Typical 800MHz				
MOX-MLCIR-0402-1N0-S	1.0	S	8	28	100	10000	0.10	320
MOX-MLCIR-0402-1N2-S	1.2	S	8	28	100	10000	0.10	320
MOX-MLCIR-0402-1N5-S	1.5	S	8	28	100	9000	0.10	320
MOX-MLCIR-0402-1N8-S	1.8	S	8	28	100	8700	0.10	320
MOX-MLCIR-0402-2N2-S	2.2	S	8	29	100	8100	0.12	320
MOX-MLCIR-0402-2N7-S	2.7	S	8	30	100	7700	0.12	320
MOX-MLCIR-0402-3N3-□	3.3	K/S	8	30	100	6300	0.15	320
MOX-MLCIR-0402-3N9-□	3.9	K/S	8	31	100	6100	0.15	320
MOX-MLCIR-0402-4N7-□	4.7	K/S	8	31	100	5400	0.18	310
MOX-MLCIR-0402-5N6-□	5.6	K/S	8	31	100	5100	0.20	310
MOX-MLCIR-0402-6N8-□	6.8	J/K	8	33	100	4550	0.25	310
MOX-MLCIR-0402-8N2-□	8.2	J/K	8	32	100	4100	0.25	310
MOX-MLCIR-0402-10N-□	10	J/K	8	32	100	3900	0.30	300
MOX-MLCIR-0402-12N-□	12	J/K	8	31	100	3000	0.30	300
MOX-MLCIR-0402-15N-□	15	J/K	8	30	100	2600	0.40	300
MOX-MLCIR-0402-18N-□	18	J/K	8	29	100	2350	0.50	300
MOX-MLCIR-0402-22N-□	22	J/K	8	28	100	2200	0.60	300
MOX-MLCIR-0402-27N-□	27	J/K	8	27	100	1900	0.70	300
MOX-MLCIR-0402-33N-□	33	J/K	8	25	100	1700	1.20	210
MOX-MLCIR-0402-39N-□	39	J/K	8	25	100	1600	1.30	210
MOX-MLCIR-0402-47N-□	47	J/K	8	22	100	1300	1.30	200
MOX-MLCIR-0402-56N-□	56	J/K	8	21	100	1250	2.00	200
MOX-MLCIR-0402-68N-□	68	J/K	8	15	100	1000	2.20	105
MOX-MLCIR-0402-82N-□	82	J/K	8	13	100	900	2.50	100
MOX-MLCIR-0402-100-□	100	J/K	8	10	100	850	2.50	100

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REV. B

DWG NUMBER: MOXMLCIR

MoxiE Part Number	L (μ H)	Tolerance (\pm %)	Q					SRF MHz Minimum	DCR (Ω) Maximum	IDC (mA) Maximum
			Minimum 50MHz	Minimum 100MHz	Typical 300MHz	Typical 500MHz	Typical 800MHz			
MDX-MLCIR-0603-1N0-S	1.0	S	-	8	-	-	60	10000	0.10	500
MDX-MLCIR-0603-1N2-S	1.2	S	-	8	-	-	60	10000	0.10	500
MDX-MLCIR-0603-1N5-S	1.5	S	-	8	-	-	57	8000	0.10	500
MDX-MLCIR-0603-1N8-S	1.8	S	-	8	-	-	51	8000	0.10	500
MDX-MLCIR-0603-2N2-S	2.2	S	-	8	-	-	46	7200	0.10	500
MDX-MLCIR-0603-2N7-S	2.7	S	-	8	-	-	46	6200	0.10	500
MDX-MLCIR-0603-3N3-□	3.3	K/S	-	10	-	-	47	5200	0.12	500
MDX-MLCIR-0603-3N9-□	3.9	K/S	-	10	-	-	47	5000	0.14	500
MDX-MLCIR-0603-4N7-□	4.7	K/S	-	10	-	-	42	5000	0.16	500
MDX-MLCIR-0603-5N6-□	5.6	K/S	-	10	-	-	-	4750	0.18	500
MDX-MLCIR-0603-6N8-□	6.8	J/K	-	10	-	-	41	4200	0.22	500
MDX-MLCIR-0603-8N2-□	8.2	J/K	-	10	-	-	44	3800	0.24	320
MDX-MLCIR-0603-10N-□	10	J/K	-	12	-	-	45	3000	0.26	320
MDX-MLCIR-0603-12N-□	12	J/K	-	12	-	-	46	3000	0.28	320
MDX-MLCIR-0603-15N-□	15	J/K	-	12	-	-	48	2650	0.32	320
MDX-MLCIR-0603-18N-□	18	J/K	-	12	-	-	48	2500	0.35	320
MDX-MLCIR-0603-22N-□	22	J/K	-	12	-	-	45	2400	0.40	320
MDX-MLCIR-0603-27N-□	27	J/K	-	12	-	-	43	2000	0.45	320
MDX-MLCIR-0603-33N-□	33	J/K	-	12	-	-	40	1900	0.55	320
MDX-MLCIR-0603-39N-□	39	J/K	-	12	-	37	-	1600	0.60	300
MDX-MLCIR-0603-47N-□	47	J/K	-	12	-	35	-	1400	0.70	300
MDX-MLCIR-0603-56N-□	56	J/K	-	12	-	32	-	1300	0.75	300
MDX-MLCIR-0603-62N-□	62	J/K	-	12	-	34	-	1100	0.85	300
MDX-MLCIR-0603-68N-□	68	J/K	-	12	-	34	-	1050	0.85	300
MDX-MLCIR-0603-82N-□	82	J/K	-	12	-	32	-	900	1.10	300
MDX-MLCIR-0603-R10-□	100	J/K	-	12	-	20	-	780	1.20	300
MDX-MLCIR-0603-R12-□	120	J/K	8	-	20	-	-	850	2.25	300
MDX-MLCIR-0603-R15-□	150	J/K	8	-	16	-	-	560	2.35	300
MDX-MLCIR-0603-R18-□	180	J/K	8	-	6	-	-	520	2.70	300

MOXIE NOTES:

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- RoHS Compliant
- Tolerance : S = $\pm 0.3\text{nH}$, K = $\pm 10\%$, J = $\pm 5\%$, G = $\pm 2\%$
- MoxiE Test Equipment: Agilent E4991 A & Agilent 16197A for "Q" and "L": SRF : HP8753D / RDC : HP4338B
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REV. B

DWG NUMBER: MOXMLCIR

MoxiE Part Number	L (μ H)	Test Frequency MHz	Tolerance (\pm %)	Q Minimum		Q Typical			SRF MHz Minimum	DCR (Ω) Maximum	IDC (mA) Maximum
				50 MHz	100 MHz	300 MHz	500 MHz	800 MHz			
MDX-MLCIR-0805-IND-S	1.0	100	S	-	10	-	13	40	>6000	0.10	320
MDX-MLCIR-0805-IN2-S	1.2	100	S	-	10	-	13	40	>6000	0.10	320
MDX-MLCIR-0805-IN5-S	1.5	100	S	-	10	-	13	40	>6000	0.10	320
MDX-MLCIR-0805-IN8-S	1.8	100	S	-	10	-	13	45	>6000	0.10	320
MDX-MLCIR-0805-2N2-S	2.2	100	S	-	10	-	13	48	>6000	0.10	320
MDX-MLCIR-0805-2N7-S	2.7	100	S	-	12	-	13	48	>6000	0.10	310
MDX-MLCIR-0805-3N3-□	3.3	100	S/K	-	12	-	15	56	>6000	0.13	310
MDX-MLCIR-0805-3N9-□	3.9	100	S/K	-	12	-	15	54	5400	0.15	310
MDX-MLCIR-0805-4N7-□	4.7	100	S/K	-	12	-	15	50	4500	0.20	310
MDX-MLCIR-0805-5N6-□	5.6	100	S/K	-	12	-	15	53	4000	0.23	310
MDX-MLCIR-0805-6N8-□	6.8	100	J/K	-	15	-	15	51	3600	0.25	310
MDX-MLCIR-0805-8N2-□	8.2	100	J/K	-	15	-	15	53	3000	0.28	300
MDX-MLCIR-0805-10N-□	10	100	J/K	-	15	-	16	45	2500	0.30	300
MDX-MLCIR-0805-12N-□	12	100	J/K	-	15	-	16	48	2450	0.35	300
MDX-MLCIR-0805-15N-□	15	100	J/K	-	15	-	17	48	2000	0.40	300
MDX-MLCIR-0805-18N-□	18	100	J/K	-	15	-	17	43	1750	0.45	300
MDX-MLCIR-0805-22N-□	22	100	J/K	-	15	-	17	40	1700	0.50	300
MDX-MLCIR-0805-27N-□	27	100	J/K	-	15	-	18	38	1550	0.55	300
MDX-MLCIR-0805-33N-□	33	100	J/K	-	15	-	19	35	1350	0.60	300
MDX-MLCIR-0805-39N-□	39	100	J/K	-	18	-	21	37	1300	0.65	300
MDX-MLCIR-0805-47N-□	47	100	J/K	-	18	-	21	38	1200	0.70	300
MDX-MLCIR-0805-56N-□	56	100	J/K	-	18	-	21	31	1150	0.75	300
MDX-MLCIR-0805-68N-□	68	100	J/K	-	18	-	21	28	1000	0.80	300
MDX-MLCIR-0805-82N-□	82	100	J/K	-	18	-	22	16	850	0.90	300
MDX-MLCIR-0805-100-□	100	100	J/K	-	18	-	23	-	730	1.00	300
MDX-MLCIR-0805-R12-□	120	50	J/K	13	-	16	22	-	650	1.20	300
MDX-MLCIR-0805-R15-□	150	50	J/K	13	-	16	22	-	550	1.40	300
MDX-MLCIR-0805-R18-□	180	50	J/K	13	-	16	23	-	500	1.80	300
MDX-MLCIR-0805-R22-□	220	50	J/K	12	-	14	20	-	450	2.00	300
MDX-MLCIR-0805-R27-□	270	50	J/K	12	-	14	20	-	400	2.50	220
MDX-MLCIR-0805-R33-□	330	50	J/K	12	-	14	22	-	380	3.00	200

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