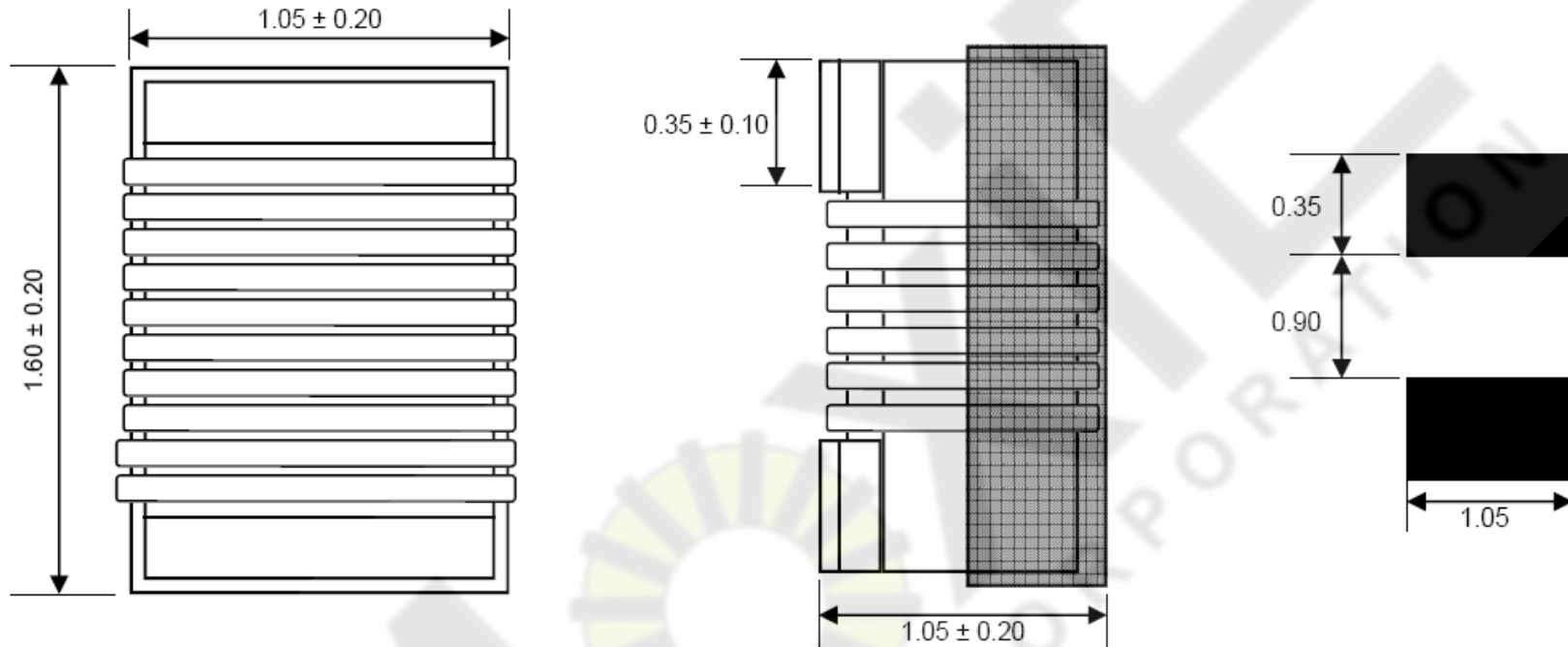


MECHANICAL



MOXIE NOTES:

- ALL DIMENSIONS IN MILLIMETERS.
- RoHS COMPLIANT.
- OPERATING TEMPERATURE RANGE: -40°C TO $+125^{\circ}\text{C}$.
- STORAGE TEMPERATURE RANGE: -40°C TO $+125^{\circ}\text{C}$.
- RESISTANCE TO SOLDERING HEAT: MAX THREE 40 SEC. RELOWS @ $+260^{\circ}\text{C}$.
- MTBF: ONE BILLION HOURS.
- PACKAGING: TAPE & REEL (2,000 PIECES PER REEL)
- MOXIE INDUCTOR CORPORATION CUSTOM DESIGNS AVAILABLE.
- MOXIE INDUCTOR CORPORATION SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

MoxiE
INDUCTOR CORPORATION

(888)535.5207 WWW.MOXIEINDUCTORS.COM

CERAMIC CHIP INDUCTORS 0603CSA (1608)

MOX-0603CSA SERIES

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REV. A

DWG NUMBER: MOX0603CSA0603

ELECTICAL @ 25°C

MoxiE Part Number	Inductance ¹ (nH)	Percent Tolerance	Q ² Minumum	900 MHz		1.7 GHz		SRF Minimum (GHz)	DCR Maximum (Ohms)	I _{rms} ³ (mA)
				L typical	Q typical	L typical	Q typical			
MOX-0603CSA-1R6□	1.6 @ 250 MHz	5	24	1.67	49	1.65	63	12.5	0.030	710
MOX-0603CSA-1R8□	1.8 @ 250 MHz	5	16	1.83	35	1.86	50	12.5	0.045	705
MOX-0603CSA-2R2□	2.2 @ 250 MHz	5	13	2.22	31	2.24	44	12.5	0.250	705
MOX-0603CSA-3R3□	3.3 @ 250 MHz	5,2	35	3.31	75	3.38	88	5.90	0.045	705
MOX-0603CSA-3R6□	3.6 @ 250 MHz	5,2	22	3.72	53	3.71	65	5.90	0.063	705
MOX-0603CSA-3R9□	3.9 @ 250 MHz	5,2	22	3.95	49	3.96	67	6.90	0.080	705
MOX-0603CSA-4R3□	4.3 @ 250 MHz	5,2	22	4.32	50	4.33	70	5.90	0.063	705
MOX-0603CSA-4R7□	4.7 @ 250 MHz	5,2	20	4.72	47	4.75	57	5.80	0.116	705
MOX-0603CSA-5R1□	5.1 @ 250 MHz	5,2	20	4.93	47	4.95	56	5.70	0.140	705
MOX-0603CSA-5R6□	5.6 @ 250 MHz	5,2	26	5.77	63	6.05	80	4.76	0.075	705
MOX-0603CSA-6R8□	6.8 @ 250 MHz	5,2	27	6.75	60	7.10	81	5.80	0.110	705
MOX-0603CSA-7R5□	7.5 @ 250 MHz	5,2	28	7.70	60	7.82	65	4.80	0.106	705
MOX-0603CSA-R82□	8.2 @ 250 MHz	5,2	30	8.25	82	8.37	87	4.20	0.115	705
MOX-0603CSA-8R7□	8.7 @ 250 MHz	5,2	28	8.86	62	9.32	58	4.60	0.109	705
MOX-0603CSA-9R5□	9.5 @ 250 MHz	5,2	28	9.7	59	9.92	61	5.40	0.135	700
MOX-0603CSA-100□	10 @ 250 MHz	5,2	31	10.0	66	10.6	83	4.80	0.130	700
MOX-0603CSA-110□	11 @ 250 MHz	5,2	30	11.0	53	11.5	56	4.00	0.130	700
MOX-0603CSA-120□	12 @ 250 MHz	5,2	35	12.3	72	13.5	83	4.00	0.130	700
MOX-0603CSA-150□	15 @ 250 MHz	5,2	35	15.4	64	16.8	89	4.00	0.170	700
MOX-0603CSA-160□	16 @ 250 MHz	5,2	34	16.2	55	17.3	52	3.30	0.170	700
MOX-0603CSA-180□	18 @ 250 MHz	5,2	35	18.7	70	21.4	69	3.10	0.170	700
MOX-0603CSA-220□	22 @ 250 MHz	5,2	38	22.8	73	26.1	71	3.00	0.190	700
MOX-0603CSA-230□	23 @ 250 MHz	5,2	38	24.1	71	28.0	67	2.85	0.190	700
MOX-0603CSA-240□	24 @ 250 MHz	5,2	36	24.5	45	28.7	39	2.65	0.190	700
MOX-0603CSA-270□	27 @ 250 MHz	5,2	40	29.2	74	34.6	65	2.80	0.220	610
MOX-0603CSA-300□	30 @ 250 MHz	5,2	37	31.4	47	39.9	28	2.25	0.220	610
MOX-0603CSA-330□	33 @ 250 MHz	5,2	40	36.0	67	49.5	42	2.30	0.220	610
MOX-0603CSA-360□	36 @ 250 MHz	5,2	37	39.4	47	52.7	24	2.08	0.250	605
MOX-0603CSA-390□	39 @ 250 MHz	5,2	40	42.7	60	60.2	40	2.20	0.250	605
MOX-0603CSA-430□	43 @ 250 MHz	5,2	38	47.0	44	64.9	21	2.00	0.280	605
MOX-0603CSA-470□	47 @ 200 MHz	5,2	38	52.2	62	77.2	35	2.00	0.280	600
MOX-0603CSA-510□	51 @ 200 MHz	5,2	35	55.5	69	82.2	34	1.90	0.270	600
MOX-0603CSA-560□	56 @ 200 MHz	5,2	38	62.5	56	97.0	26	1.90	0.310	600
MOX-0603CSA-680□	68 @ 200 MHz	5,2	37	80.5	54	168	21	1.70	0.340	600
MOX-0603CSA-720□	72 @ 150 MHz	5,2	34	82.0	53	135	20	1.70	0.490	410
MOX-0603CSA-820□	82 @ 150 MHz	5,2	34	96.2	54	177	21	1.70	0.540	405
MOX-0603CSA-101□	100 @ 150 MHz	5,2	34	124	49	—	—	1.40	0.580	400
MOX-0603CSA-111□	110 @ 150 MHz	5,2	32	138	43	—	—	1.35	0.610	305
MOX-0603CSA-121□	120 @ 150 MHz	5,2	32	166	39	—	—	1.30	0.650	300
MOX-0603CSA-151□	150 @ 150 MHz	5,2	28	250	25	—	—	0.990	0.920	290
MOX-0603CSA-181□	180 @ 100 MHz	5,2	25	305	22	—	—	0.990	1.25	250
MOX-0603CSA-201□	200 @ 100 MHz	5,2	25	—	—	—	—	0.900	1.98	210
MOX-0603CSA-211□	210 @ 100 MHz	5,2	27	—	—	—	—	0.895	2.06	205
MOX-0603CSA-221□	220 @ 100 MHz	5,2	25	—	—	—	—	0.900	2.10	200
MOX-0603CSA-251□	250 @ 100 MHz	5,2	25	—	—	—	—	0.822	3.55	180
MOX-0603CSA-271□	270 @ 100 MHz	5,2	24	—	—	—	—	0.900	2.30	170
MOX-0603CSA-331□	330 @ 100 MHz	5,2	25	—	—	—	—	0.900	3.89	110
MOX-0603CSA-391□	390 @ 100 MHz	5,2	25	—	—	—	—	0.780	4.35	100

□=J (5%) or S (2%) TOLERANCE •¹INDUCTANCE MEASURED ON ADILENT HP 4286 IMPEDANCE ANALYZER •²Q MEASURED @ SAME FREQUENCY AS INDUCTANCE •³CURRENT THAT CAUSES A 15°C TEMP RISE FROM 25°C.