

# THROUGH-HOLE MOLDED INDUCTORS

## AIAM-01 SERIES

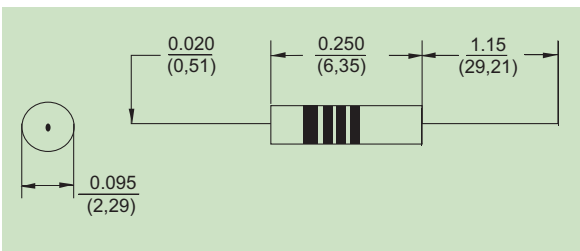


### STANDARD SPECIFICATIONS:

Part Number	L (μH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR Ω (MAX)	I <sub>DC</sub> (mA) (MAX)
AIAM-01-R022K	.022	50	50	900	.025	2400
AIAM-01-R027K	.027	40	25	875	.033	2200
AIAM-01-R033K	.033	40	25	850	.035	2000
AIAM-01-R039K	.039	40	25	825	.04	1900
AIAM-01-R047K	.047	40	25	800	.045	1800
AIAM-01-R056K	.056	40	25	775	.05	1700
AIAM-01-R068K	.068	40	25	750	.06	1500
AIAM-01-R082K	.082	40	25	725	.07	1400
AIAM-01-R10K	.10	40	25	680	.08	1350
AIAM-01-R12K	.12	40	25	640	.09	1270
AIAM-01-R15K	.15	38	25	600	.10	1200
AIAM-01-R18K	.18	35	25	550	.12	1105
AIAM-01-R22K	.22	33	25	510	.14	1025
AIAM-01-R27K	.27	33	25	430	.16	960
AIAM-01-R33K	.33	30	25	410	.22	815
AIAM-01-R39K	.39	30	25	365	.30	700
AIAM-01-R47K	.47	30	25	330	.35	650
AIAM-01-R56K	.56	30	25	300	.50	545
AIAM-01-R68K	.68	28	25	275	.60	495
AIAM-01-R82K	.82	28	25	250	.85	415
AIAM-01-1R0K	1.0	25	25	230	1.0	385
AIAM-01-1R2K	1.2	25	7.9	150	.18	590
AIAM-01-1R5K	1.5	28	7.9	140	.22	535
AIAM-01-1R8K	1.8	30	7.9	125	.30	455
AIAM-01-2R2K	2.2	30	7.9	115	.40	395
AIAM-01-2R7K	2.7	37	7.9	100	.55	355
AIAM-01-3R3K	3.3	45	7.9	90	.85	270
AIAM-01-3R9K	3.9	45	7.9	80	1.0	250
AIAM-01-4R7K	4.7	45	7.9	75	1.2	230

Part Number	L (μH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR Ω (MAX)	I <sub>DC</sub> (mA) (MAX)
AIAM-01-5R6K	5.6	50	7.9	65	1.8	185
AIAM-01-6R8K	6.8	50	7.9	60	2.0	175
AIAM-01-8R2K	8.2	55	7.9	55	2.7	155
AIAM-01-100K	10	55	7.9	50	3.7	130
AIAM-01-120K	12	45	2.5	40	2.7	155
AIAM-01-150K	15	40	2.5	35	2.8	150
AIAM-01-180K	18	50	2.5	30	3.1	145
AIAM-01-220K	22	50	2.5	25	3.3	140
AIAM-01-270K	27	50	2.5	20	3.5	135
AIAM-01-330K	33	45	2.5	24	3.4	130
AIAM-01-390K	39	45	2.5	22	3.6	125
AIAM-01-470K	47	45	2.5	20	4.5	110
AIAM-01-560K	56	45	2.5	18	5.7	100
AIAM-01-680K	68	50	2.5	15	6.7	92
AIAM-01-820K	82	50	2.5	14	7.3	88
AIAM-01-101K	100	50	2.5	13	8.0	84
AIAM-01-121K	120	30	.79	12	13	66
AIAM-01-151K	150	30	.79	11	15	61
AIAM-01-181K	180	30	.79	10	17	57
AIAM-01-221K	220	30	.79	9.0	21	52
AIAM-01-271K	270	30	.79	8.0	25	47
AIAM-01-331K	330	30	.79	7.0	28	45
AIAM-01-391K	390	30	.79	6.5	35	40
AIAM-01-471K	470	30	.79	6.0	42	36
AIAM-01-561K	560	30	.79	5.0	46	35
AIAM-01-681K	680	30	.79	4.0	60	30
AIAM-01-821K	820	30	.79	3.8	65	29
AIAM-01-102K	1000	30	.79	3.4	72	28

### PHYSICAL CHARACTERISTICS:



### TECHNICAL INFORMATION:

- Inductance (L) tolerance: J = 5%, K = 10%, M = 20%
- Letter suffix indicates standard tolerance
- Current rating at which inductance (L) drops 10%
- Operating temperature -55°C to +105°C
- Storage temperature -55°C to +85°C
- Dimensions: inches / mm; see spec sheet for tolerance limits
- Marking per EIA 4-band color code

Note: All specifications subject to change without notice.

# THROUGH-HOLE MOLDED INDUCTORS

## AIAM-02 SERIES

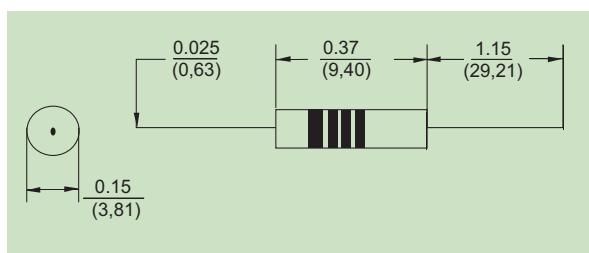


### STANDARD SPECIFICATIONS:

Part Number	L (μH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR Ω (MAX)	I <sub>DC</sub> (mA) (MAX)
AIAM-02-R15M	0.15	50	25	525	0.03	2740
AIAM-02-R22M	0.22	50	25	450	.055	2080
AIAM-02-R33M	0.33	45	25	360	0.09	1580
AIAM-02-R47M	0.47	45	25	310	0.12	1370
AIAM-02-R56K	0.56	50	25	280	.135	1290
AIAM-02-R68K	0.68	50	25	250	0.15	1220
AIAM-02-R82K	0.82	50	25	250	0.22	1020
AIAM-02-1R0K	1.0	50	25	200	0.29	880
AIAM-02-1R2K	1.2	33	7.9	180	0.42	730
AIAM-02-1R5K	1.5	33	7.9	160	0.23	670
AIAM-02-1R8K	1.8	33	7.9	150	0.65	590
AIAM-02-2R2K	2.2	33	7.9	135	0.95	485
AIAM-02-2R7K	2.7	33	7.9	120	1.20	430
AIAM-02-3R3K	3.3	33	7.9	110	2.00	335
AIAM-02-3R9K	3.9	33	7.9	100	2.30	310
AIAM-02-4R7K	4.7	33	7.9	90	2.60	294
AIAM-02-5R6K	5.6	45	7.9	55	0.32	565
AIAM-02-6R8K	6.8	50	7.9	55	0.50	450
AIAM-02-8R2K	8.2	50	7.9	50	0.60	410
AIAM-02-100K	10	55	7.9	45	0.90	335
AIAM-02-120K	12	65	2.5	42	1.10	3.5
AIAM-02-150K	15	65	2.5	40	1.40	271
AIAM-02-180K	18	75	2.5	34	2.25	213
AIAM-02-220K	22	75	2.5	30	2.50	202
AIAM-02-270K	27	60	2.5	25	2.60	202
AIAM-02-330K	33	65	2.5	19	3.00	185
AIAM-02-360J	36	60	2.5	15.5	2.50	180
AIAM-02-390J	39	60	2.5	14.5	2.60	176
AIAM-02-430J	43	60	2.5	13.7	2.70	172
AIAM-02-470J	47	55	2.5	13	2.75	170
AIAM-02-510J	51	55	2.5	12.7	2.85	167

Part Number	L (μH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR Ω (MAX)	I <sub>DC</sub> (mA) (MAX)
AIAM-02-560J	56	55	2.5	12	3.00	164
AIAM-02-620J	62	55	2.5	11.5	3.15	160
AIAM-02-680J	68	55	2.5	11	3.30	156
AIAM-02-750J	75	55	2.5	10.5	3.70	147
AIAM-02-820J	82	50	2.5	10.3	3.90	143
AIAM-02-910J	91	50	2.5	10	4.30	136
AIAM-02-101J	100	60	2.5	9.5	4.50	133
AIAM-02-111J	110	65	0.79	8.9	4.90	128
AIAM-02-121J	120	65	0.79	8.7	5.20	124
AIAM-02-131J	130	65	0.79	8.5	5.45	121
AIAM-02-151J	150	65	0.79	8.0	6.05	114
AIAM-02-161J	160	65	0.79	7.5	6.40	111
AIAM-02-181J	180	65	0.79	7.0	6.75	108
AIAM-02-201J	200	65	0.79	6.5	7.10	106
AIAM-02-221J	220	65	0.79	6.2	7.45	103
AIAM-02-241J	240	65	0.79	5.9	7.80	101
AIAM-02-271J	270	65	0.79	5.7	11.0	129
AIAM-02-301J	300	65	0.79	5.4	11.5	125
AIAM-02-331J	330	65	0.79	5.1	12.0	123
AIAM-02-361J	360	65	0.79	4.8	15.5	108
AIAM-02-391J	390	65	0.79	4.5	16.3	105
AIAM-02-431J	430	65	0.79	4.2	17.1	102
AIAM-02-471J	470	65	0.79	3.9	17.9	100
AIAM-02-511J	510	65	0.79	3.7	18.8	98
AIAM-02-561J	560	65	0.79	3.5	24.7	85
AIAM-02-621J	620	65	0.79	3.3	25.9	83
AIAM-02-681J	680	55	0.79	3.1	27.2	81
AIAM-02-751J	750	55	0.79	2.9	28.6	79
AIAM-02-821J	820	55	0.79	2.7	30.0	77
AIAM-02-911J	910	55	0.79	2.5	31.5	76
AIAM-02-102J	1000	55	0.79	2.3	33.1	74

### PHYSICAL CHARACTERISTICS:



### TECHNICAL INFORMATION:

- Inductance (L) tolerance: J = 5%, K = 10%, M = 20%
- Letter suffix indicates standard tolerance
- Current rating at which inductance (L) drops 10%
- Operating temperature -55°C to +85°C
- Storage temperature -55°C to +125°C
- Dimensions: inches / mm; see spec sheet for tolerance limits
- Marking per EIA 4-band color code

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# THROUGH-HOLE MOLDED INDUCTORS

## AIAM-03 SERIES

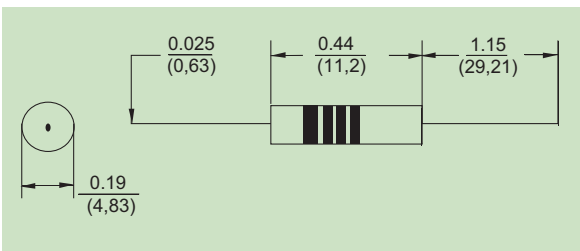


### STANDARD SPECIFICATIONS:

Part Number	L (μH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR Ω (MAX)	I <sub>DC</sub> (mA) (MAX)
AIAM-03-R15M	0.15	50	25	510	.300	3050
AIAM-03-R22M	0.22	50	25	415	.350	2800
AIAM-03-R33M	0.33	50	25	305	.650	2000
AIAM-03-R47M	0.47	50	25	300	.850	1700
AIAM-03-R56K	0.56	50	25	270	.125	1450
AIAM-03-R68K	0.68	45	25	250	.150	1300
AIAM-03-R82K	0.82	40	25	210	.205	1100
AIAM-03-1R0K	1.0	40	25	200	.290	930
AIAM-03-1R2K	1.2	30	7.9	180	.400	785
AIAM-03-1R5K	1.5	30	7.9	170	.485	700
AIAM-03-1R8K	1.8	30	7.9	150	.740	550
AIAM-03-2R2K	2.2	30	7.9	140	.970	505
AIAM-03-2R7K	2.7	30	7.9	120	1.20	460
AIAM-03-3R3K	3.3	30	7.9	70	1.40	990
AIAM-03-3R9K	3.9	30	7.9	65	.155	870
AIAM-03-4R7K	4.7	30	7.9	60	.210	745
AIAM-03-5R6K	5.6	30	7.9	50	.280	645
AIAM-03-6R8K	6.8	30	7.9	50	3.75	560
AIAM-03-8R2K	8.2	60	2.5	48	.440	540
AIAM-03-100K	10	30	7.9	42	.605	440
AIAM-03-120K	12	50	2.5	36	1.05	370
AIAM-03-150K	15	60	2.5	30	1.20	310
AIAM-03-180K	18	60	2.5	30	1.95	255
AIAM-03-220K	22	60	2.5	24	2.20	240
AIAM-03-270K	27	65	2.5	22	2.75	205
AIAM-03-330K	33	65	2.5	18	2.30	300

Part Number	L (μH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR Ω (MAX)	I <sub>DC</sub> (mA) (MAX)
AIAM-03-390J	39	55	2.5	165	2.50	285
AIAM-03-470J	47	55	2.5	14	3.40	245
AIAM-03-560J	56	55	2.5	14	4.10	225
AIAM-03-680J	68	45	2.5	11	4.20	220
AIAM-02-820J	82	50	2.5	9.3	4.40	215
AIAM-02-101J	100	45	0.79	8.5	4.90	205
AIAM-02-121J	120	60	0.79	7.3	5.40	195
AIAM-02-151J	150	60	0.79	6.2	6.20	180
AIAM-02-181J	180	60	0.79	5.7	7.10	170
AIAM-02-221J	220	60	0.79	5.2	7.90	160
AIAM-02-271J	270	60	0.79	5.6	8.20	110
AIAM-02-301J	300	65	0.79	5.3	8.70	107
AIAM-02-331J	330	65	0.79	5.0	9.10	105
AIAM-02-361J	360	65	0.79	4.7	9.60	102
AIAM-02-391J	390	65	0.79	4.5	10.0	100
AIAM-02-431J	430	65	0.79	4.3	10.6	97
AIAM-02-471J	470	65	0.79	4.0	11.0	95
AIAM-02-511J	510	65	0.79	3.8	11.6	93
AIAM-02-561J	560	65	0.79	3.8	12.3	91
AIAM-02-621J	620	60	0.79	3.5	13.0	88
AIAM-02-681J	680	60	0.79	3.4	13.7	85
AIAM-02-751J	750	60	0.79	3.3	14.4	83
AIAM-02-821J	820	60	0.79	3.1	15.1	81
AIAM-02-911J	910	60	0.79	2.9	15.8	79
AIAM-02-102J	1000	60	0.79	2.8	16.5	78

### PHYSICAL CHARACTERISTICS:



### TECHNICAL INFORMATION:

- Inductance (L) tolerance: J = 5%, K = 10%, M = 20%
- Letter suffix indicates standard tolerance
- Current rating at which inductance (L) drops 10%
- Operating temperature -55°C to +85°C
- Storage temperature -55°C to +125°C
- Dimensions: inches / mm; see spec sheet for tolerance limits
- Marking per EIA 4-band color code

Note: All specifications subject to change without notice.