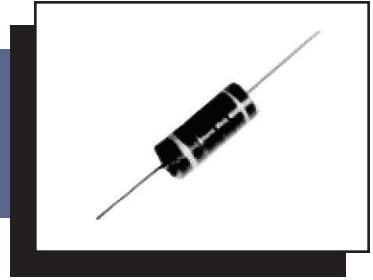


# THROUGH-HOLE MOLDED INDUCTORS

## AIAM-03 SERIES



### STANDARD SPECIFICATIONS

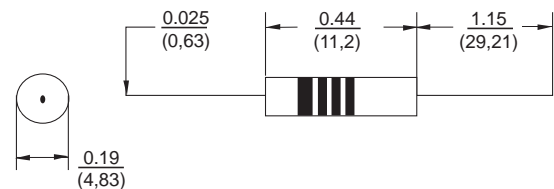
Part Number <sup>2</sup>	L <sup>1,2</sup> (mH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR W (MAX)	I <sub>DC</sub> <sup>3</sup> (mA) (MAX)
AIAM-03-R15M	0.15	50	25	510	.300	3050
AIAM-03-R22M	0.22	50	25	415	.350	2800
AIAM-03-R33M	0.33	50	25	305	.650	2000
AIAM-03-R47M	0.47	50	25	300	.850	1700
AIAM-03-R56K	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	.375	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 <sup>2</sup>	L <sup>1,2</sup> (mH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR W (MAX)	I <sub>DC</sub> <sup>3</sup> (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-03-820J	82	55	2.5	9.3 <sup>4</sup>	4.40	215
AIAM-03-101J	100	45	0.79	8.5	4.90	205
AIAM-03-121J	120	60	0.79	7.3	5.40	195
AIAM-03-151J	150	60	0.79	6.2	6.20	180
AIAM-03-181J	180	60	0.79	5.7	7.10	170
AIAM-03-221J	220	60	0.79	5.2	7.90	160
AIAM-03-271J	270	65	0.79	5.6	8.20	110
AIAM-03-301J	300	65	0.79	5.3	8.70	107
AIAM-03-331J	330	65	0.79	5.0	9.10	105
AIAM-03-361J	360	65	0.79	4.7	9.60	102
AIAM-03-391J	390	65	0.79	4.5	10.0	100
AIAM-03-431J	430	65	0.79	4.3	10.6	97
AIAM-03-471J	470	65	0.79	4.0	11.0	95
AIAM-03-511J	510	65	0.79	3.8	11.6	93
AIAM-03-561J	560	65	0.79	3.8	12.3	91
AIAM-03-621J	620	60	0.79	3.5	13.0	88
AIAM-03-681J	680	60	0.79	3.4	13.7	85
AIAM-03-751J	750	60	0.79	3.3	14.4	83
AIAM-03-821J	820	60	0.79	3.1	15.1	81
AIAM-03-911J	910	60	0.79	2.9	15.8	79
AIAM-03-102J	1000	60	0.79	2.8	16.5	78

#### Notes:

1. Inductance (L) tolerance: J = 5%, K = 10%, M = 20%
2. Letter suffix indicates standard tolerance
3. Current rating at which inductance (L) drops 10%
4. Operating temperature -55°C to +85°C
5. Storage temperature -55°C to +125°C
6. Dimensions: inches / mm; see spec sheet for tolerance limits
7. Marking per EIA 4-band color code
8. Specifications subject to change without notice

#### PHYSICAL CHARACTERISTICS<sup>6</sup>



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