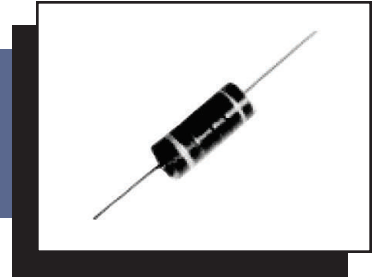


# THROUGH-HOLE MOLDED INDUCTORS

## AIAM-01 SERIES



### STANDARD SPECIFICATIONS

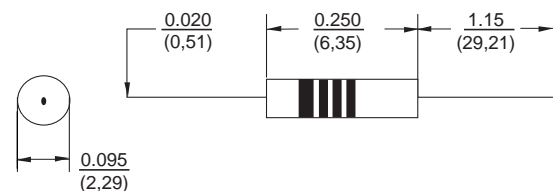
Part Number <sup>2</sup>	L <sup>1,2</sup> (mH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR W (MAX)	Idc <sup>3</sup> (mA) (MAX)
AIAM-01-R022K	.022	50	50	900	.025	2400
AIAM-01-R027K	.027	40	25	875	.033	2200
AIAM-01-R033K	.033	40	25	850	.035	2000
AIAM-01-R039K	.039	40	25	825	.04	1900
AIAM-01-R047K	.047	40	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 <sup>2</sup>	L <sup>1,2</sup> (mH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR W (MAX)	Idc <sup>3</sup> (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

#### 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 +105°C
5. Storage temperature -55°C to +85°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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