

THROUGH-HOLE MOLDED INDUCTORS

AIAM-02 SERIES



STANDARD SPECIFICATIONS

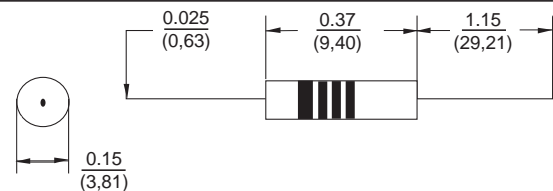
Part Number ²	L ^{1,2} (mH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR W (MAX)	Idc ³ (mA) (MAX)
AIAM-02-R15M	0.15	50	25	525	0.03	2740
AIAM-02-R22M	0.22	50	25	450	.055	2080
AIAM-02-R33M	0.33	45	25	360	0.09	1580
AIAM-02-R47M	0.47	45	25	310	0.12	1370
AIAM-02-R56K	0.56	50	25	280	.135	1290
AIAM-02-R68K	0.68	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 ²	L ^{1,2} (mH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR W (MAX)	Idc ³ (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	50	2.5	9.5	4.50	133
AIAM-02-111J	110	60	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

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 CHARACTERISTICS⁶



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