



THROUGH-HOLE MOLDED SHIELDED INDUCTORS

AIAS-01 SERIES

STANDARD SPECIFICATIONS

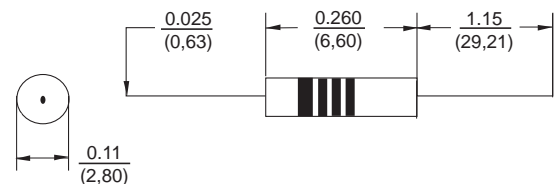
Part Number ²	L ^{1,2} (mH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR W (MAX)	I _{DC} ³ (mA) (MAX)
AIAS-01-R10K	0.10	39	25	400	0.071	1580
AIAS-01-R12K	0.12	36	25	400	0.087	1360
AIAS-01-R15K	0.15	35	25	400	0.109	1280
AIAS-01-R18K	0.18	35	25	400	0.145	1110
AIAS-01-R22K	0.22	35	25	400	0.165	1040
AIAS-01-R27K	0.27	33	25	400	0.192	965
AIAS-01-R33K	0.33	33	25	370	0.228	885
AIAS-01-R39K	0.39	32	25	348	0.259	830
AIAS-01-R47K	0.47	33	25	312	0.348	717
AIAS-01-R56K	0.56	30	25	285	0.417	655
AIAS-01-R68K	0.68	30	25	262	0.580	555
AIAS-01-R82K	0.82	33	25	188	0.132	1160
AIAS-01-1R0K	1.0	35	25	166	0.169	1330
AIAS-01-1R2K	1.2	29	7.9	149	0.184	985
AIAS-01-1R5K	1.5	29	7.9	136	0.260	825
AIAS-01-1R8K	1.8	29	7.9	118	0.360	705
AIAS-01-2R2K	2.2	28	7.9	110	0.410	664
AIAS-01-2R7K	2.7	32	7.9	94	0.550	577
AIAS-01-3R3K	3.3	32	7.9	86	0.620	540
AIAS-01-3R9K	3.9	38	7.9	85	0.790	475
AIAS-01-4R7K	4.7	38	7.9	79	0.910	445
AIAS-01-5R6K	5.6	40	7.9	72	1.15	395
AIAS-01-6R8K	6.8	46	7.9	65	1.73	320
AIAS-01-8R2K	8.2	45	7.9	59	1.96	302
AIAS-01-100K	10	45	7.9	53	2.30	280

Part Number ²	L ^{1,2} (mH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR W (MAX)	I _{DC} ³ (mA) (MAX)
AIAS-01-120K	12	40	2.5	60	0.55	570
AIAS-01-150K	15	45	2.5	53	0.71	500
AIAS-01-180K	18	45	2.5	45.8	1.00	423
AIAS-01-220K	22	45	2.5	42.2	1.09	404
AIAS-01-270K	27	48	2.5	31.0	1.35	364
AIAS-01-330K	33	54	2.5	26.0	1.90	305
AIAS-01-390K	39	54	2.5	24.2	2.10	293
AIAS-01-470K	47	54	2.5	22.0	2.40	271
AIAS-01-560K	56	60	2.5	21.2	2.90	248
AIAS-01-680K	68	55	2.5	19.9	3.20	237
AIAS-01-820K	82	57	2.5	16.8	3.70	219
AIAS-01-101K	100	60	2.5	13.2	4.60	198
AIAS-01-121K	120	58	0.79	11.0	5.20	184
AIAS-01-151K	150	60	0.79	9.1	5.90	173
AIAS-01-181K	180	60	0.79	7.4	7.40	156
AIAS-01-221K	220	60	0.79	7.2	8.50	145
AIAS-01-271K	270	60	0.79	6.8	10.0	133
AIAS-01-331K	330	60	0.79	5.5	13.4	115
AIAS-01-391K	390	60	0.79	5.1	15.0	109
AIAS-01-471K	470	60	0.79	5.0	21.0	92
AIAS-01-561K	560	60	0.79	4.9	23.0	88
AIAS-01-681K	680	60	0.79	4.6	26.0	82
AIAS-01-821K	820	60	0.79	4.2	34.0	72
AIAS-01-102K	1000	60	0.79	4.0	39.0	67

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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