



# THROUGH-HOLE MOLDED SHIELDED INDUCTORS

## AIAS-03 SERIES

### STANDARD SPECIFICATIONS

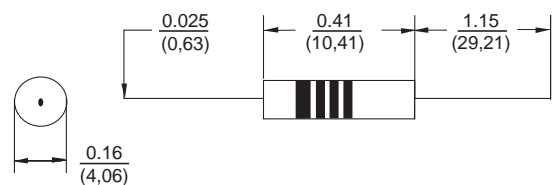
Part Number <sup>2</sup>	L <sup>1,2</sup> (mH)	Q (MIN)	L Test (MHz)	SRF (MIN) (MHz)	DCR W (MAX)	Idc <sup>3</sup> (mA) (MAX)
AIAS-03-R10K	0.10	50	25	250	0.025	2900
AIAS-03-R12K	0.12	51	25	250	0.034	2800
AIAS-03-R15K	0.15	51	25	250	0.037	2750
AIAS-03-R18K	0.18	50	25	250	0.050	2200
AIAS-03-R22K	0.22	49	25	250	0.067	1700
AIAS-03-R27K	0.27	47	25	250	0.110	1500
AIAS-03-R33K	0.33	46	25	250	0.13	1300
AIAS-03-R39K	0.39	44	25	250	0.18	110
AIAS-03-R47K	0.47	44	25	235	0.25	1000
AIAS-03-R56K	0.56	43	25	210	0.33	900
AIAS-03-R68K	0.68	42	25	190	0.45	750
AIAS-03-R82K	0.82	40	25	180	0.59	600
AIAS-03-1R0K	1.0	47	25	140	0.07	1900
AIAS-03-1R2K	1.2	46	7.9	130	0.09	1600
AIAS-03-1R5K	1.5	45	7.9	115	0.12	1300
AIAS-03-1R8K	1.8	43	7.9	105	0.14	1200
AIAS-03-2R2K	2.2	45	7.9	100	0.19	1100
AIAS-03-2R7K	2.7	46	7.9	92	0.28	950
AIAS-03-3R3K	3.3	44	7.9	85	0.35	800
AIAS-03-3R9K	3.9	44	7.9	75	0.40	750
AIAS-03-4R7K	4.7	44	7.9	70	0.55	650
AIAS-03-5R6K	5.6	47	7.9	65	0.72	550
AIAS-03-6R8K	6.8	50	7.9	55	1.02	500
AIAS-03-8R2K	8.2	50	7.9	50	1.32	475
AIAS-03-100K	10	49	7.9	46	1.62	450
AIAS-03-120K	12	55	2.5	44	1.00	400
AIAS-03-150K	15	45	2.5	49	0.80	620
AIAS-03-180K	18	45	2.5	45	0.89	610
AIAS-03-220K	22	46	2.5	40	0.96	600
AIAS-03-270K	27	49	2.5	38	1.19	500
AIAS-03-330K	33	45	2.5	34	1.37	490

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)
AIAS-03-390K	39	53	2.5	29	1.93	410
AIAS-03-470K	47	52	2.5	27	2.11	400
AIAS-03-560K	56	49	2.5	25	2.23	380
AIAS-03-680K	68	51	2.5	21	2.70	370
AIAS-03-820K	82	45	2.5	11	2.44	360
AIAS-03-101K	100	45	2.5	10	3.12	325
AIAS-03-121K	120	57	0.79	9.7	3.60	290
AIAS-03-151K	150	56	0.79	8.5	4.10	275
AIAS-03-181K	180	60	0.79	8.0	4.40	260
AIAS-03-221K	220	58	0.79	7.5	5.00	250
AIAS-03-271K	270	60	0.79	7.0	5.80	240
AIAS-03-331K	330	54	0.79	6.5	6.40	225
AIAS-03-391K	390	67	0.79	6.2	7.40	200
AIAS-03-471K	470	60	0.79	5.7	9.50	180
AIAS-03-561K	560	60	0.79	4.7	10.5	174
AIAS-03-681K	680	60	0.79	4.5	11.8	168
AIAS-03-821K	820	57	0.79	4.2	12.0	152
AIAS-03-102K	1000	65	0.79	3.8	17.5	135
AIAS-03-122K	1200	45	0.25	1.5	22.1	115
AIAS-03-152K	1500	49	0.25	1.2	26.5	110
AIAS-03-182K	1800	47	0.25	1.0	29.9	105
AIAS-03-222K	2200	50	0.25	0.97	33.8	99
AIAS-03-272K	2700	47	0.25	0.92	47.3	83
AIAS-03-332K	3300	43	0.25	0.84	53.0	80
AIAS-03-392K	3900	43	0.25	0.80	73.8	67
AIAS-03-472K	4700	44	0.25	0.74	81.6	63
AIAS-03-562K	5600	45	0.25	0.73	98.9	56
AIAS-03-682K	6800	43	0.25	0.66	111	54
AIAS-03-822K	8200	42	0.25	0.54	119	52
AIAS-03-103K	10000	39	0.25	0.47	137	49

#### 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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