



THROUGH-HOLE AXIAL SHIELDED INDUCTORS AIAS-04 SERIES

FEATURES:

- Shielded Construction
- Wire-wound Design
- Excellent Heat Resistance
- Excellent Environmental Characteristics
- High Reliability
- Excellent Inductance to Q Ratios
- Inductance Values to 100000 μH

OPTIONS:

- Bulk Packaging is Standard (Qty: 2500 pcs.)
- Tape and Reel Available
- Tolerance: 10% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

- Telecommunications Systems
- Disk Drives
- Computer Products and Peripherals
- Medical Equipment

STANDARD SPECIFICATIONS

Part Number	L μH	Tol %	Q Min	Test Freq MHz	SRF MHz Min	RDC Ω Max	IDC Max mA	Part Number	L μH	Tol %	Q Min	Test Freq MHz	SRF MHz Min	RDC Ω Max	IDC Max mA
AIAS-04 Series								AIAS-04 Series							
AIAS-04-R10K	.10	± 10	50	25	400	.026	3000	AIAS-04-121K	120	± 10	65	.79	11	2.45	311
AIAS-04-R12K	.12	± 10	50	25	400	.029	2860	AIAS-04-151K	150	± 10	65	.79	10	2.79	294
AIAS-04-R15K	.15	± 10	50	25	400	.034	2600	AIAS-04-181K	180	± 10	65	.79	10	3.08	277
AIAS-04-R18K	.18	± 10	50	25	400	.044	2300	AIAS-04-221K	220	± 10	65	.79	9.4	3.48	251
AIAS-04-R22K	.22	± 10	50	25	400	.056	2050	AIAS-04-271K	270	± 10	65	.79	8.0	4.55	231
AIAS-04-R27K	.27	± 10	50	25	400	.090	1625	AIAS-04-331K	330	± 10	65	.79	7.3	5.10	215
AIAS-04-R33K	.33	± 10	47	25	325	.122	1400	AIAS-04-391K	390	± 10	65	.79	6.9	5.62	205
AIAS-04-R39K	.39	± 10	47	25	290	.161	1220	AIAS-04-471K	470	± 10	70	.79	6.5	6.45	192
AIAS-04-R47K	.47	± 10	47	25	264	.218	1060	AIAS-04-561K	560	± 10	70	.79	6.0	8.00	174
AIAS-04-R56K	.56	± 10	45	25	249	.290	900	AIAS-04-681K	680	± 10	75	.79	5.6	8.85	163
AIAS-04-R68K	.68	± 10	43	25	221	.382	790	AIAS-04-821K	820	± 10	70	.79	4.8	10.4	151
AIAS-04-R82K	.82	± 10	41	25	200	.450	725	AIAS-04-102K	1000	± 10	65	.79	4.5	12.1	139
AIAS-04-1R0K	1.0	± 10	42	25	156	.054	2080	AIAS-04-122K	1200	± 10	70	.25	2.6	15.1	125
AIAS-04-1R2K	1.2	± 10	43	7.9	144	.070	1840	AIAS-04-152K	1500	± 10	70	.25	2.5	16.8	119
AIAS-04-1R5K	1.5	± 10	41	7.9	128	.096	1560	AIAS-04-182K	1800	± 10	70	.25	2.3	19.1	111
AIAS-04-1R8K	1.8	± 10	42	7.9	121	.107	1480	AIAS-04-222K	2200	± 10	70	.25	2.2	22.0	103
AIAS-04-2R2K	2.2	± 10	42	7.9	108	.142	1290	AIAS-04-272K	2700	± 10	70	.25	2.1	25.1	97
AIAS-04-2R7K	2.7	± 10	41	7.9	96	.184	1130	AIAS-04-332K	3300	± 10	70	.25	2.0	33.3	85
AIAS-04-3R3K	3.3	± 10	41	7.9	88	.260	950	AIAS-04-392K	3900	± 10	70	.25	1.8	36.8	80
AIAS-04-3R9K	3.9	± 10	41	7.9	84	.354	815	AIAS-04-472K	4700	± 10	70	.25	1.7	51.2	68
AIAS-04-4R7K	4.7	± 10	42	7.9	72	.468	710	AIAS-04-562K	5600	± 10	70	.25	1.6	54.6	66
AIAS-04-5R6K	5.6	± 10	42	7.9	69	.511	680	AIAS-04-682K	6800	± 10	70	.25	1.5	62.0	62
AIAS-04-6R8K	6.8	± 10	42	7.9	62	.750	560	AIAS-04-822K	8200	± 10	70	.25	1.4	86.6	52
AIAS-04-8R2K	8.2	± 10	46	7.9	58	.828	535	AIAS-04-103K	10000	± 10	70	.25	1.3	93.1	50
AIAS-04-100K	10	± 10	46	7.9	53	1.27	432	AIAS-04-123K	12000	± 10	50	.25	.88	84.0	53
AIAS-04-120K	12	± 10	50	2.5	47	1.76	368	AIAS-04-153K	15000	± 10	50	.079	.78	97.0	49
AIAS-04-150K	15	± 10	50	2.5	41	2.30	325	AIAS-04-183K	18000	± 10	50	.079	.72	104	48
AIAS-04-180K	18	± 10	50	2.5	43	.667	596	AIAS-04-223K	22000	± 10	50	.079	.57	145	40
AIAS-04-220K	22	± 10	50	2.5	38	.742	565	AIAS-04-273K	27000	± 10	50	.079	.46	195	34
AIAS-04-270K	27	± 10	50	2.5	36	.850	526	AIAS-04-333K	33000	± 10	50	.079	.42	222	32
AIAS-04-330K	33	± 10	50	2.5	33	.928	505	AIAS-04-393K	39000	± 10	50	.079	.42	242	31
AIAS-04-390K	39	± 10	50	2.5	29	1.28	429	AIAS-04-473K	47000	± 10	50	.079	.37	317	27
AIAS-04-470K	47	± 10	55	2.5	26	1.48	400	AIAS-04-563K	56000	± 10	50	.079	.36	362	25
AIAS-04-560K	56	± 10	55	2.5	25	1.64	380	AIAS-04-683K	68000	± 10	50	.079	.35	410	24
AIAS-04-680K	68	± 10	55	2.5	23	2.20	328	AIAS-04-823K	82000	± 10	50	.079	.34	440	23
AIAS-04-820K	82	± 10	55	2.5	14	1.96	349	AIAS-04-104K	100000	± 10	50	.079	.32	484	22
AIAS-04-101K	100	± 10	65	2.5	12	2.28	322								

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
Inductance - HP4342A
RDC: QuadTech 1880 Milliohm meter - Q: HP4342A - SRF: HP4191A
- IDC Max: Based on coil temperature rise not to exceed 35°C at 90°C ambient temperature
- Operating temperature: -55°C to + 125°C
- Storage temperature: -55°C to +85°C
- Shielding: 5% coupling maximum with 2 units side by side @ 1KHz
- Marking: EIA 5 band color code

Note: All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS

