AISM1008 SERIES

SMD Wire Wound Molded Chip Inductor

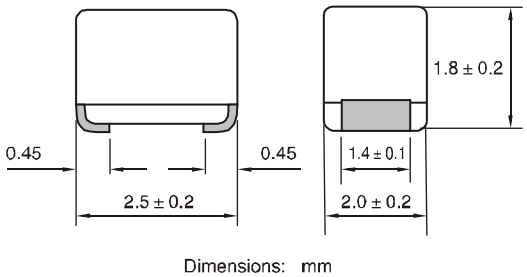
FEATURES
- Molded construction
- Heat Resistant Molded Resin
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability
- Low Profile

OPTIONS
- Packaging:Tape & Reel is standard (Qty:2000pcs)
- Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

APPLICATIONS
- IoT
- Power Electronics
- Computer Networking
- GPS & Wireless RF Systems
- Computer Products
- Household Appliances

Part Number	L (µH)	Tol %	Q min.	Test Freq. MHz	SRF MHz min.	DCR Ohm max.	IDC max. mA	Part Number	L (µH)	Tol %	Q min.	Test Freq. MHz	SRF MHz min.	DCR Ohm max.	IDC max. mA
AISM-1008-R010K	.010	± 10	10	2150	0.26	530	100	AISM-1008-1R2J	1.2	± 5	30	180	1.20	230	7.96
AISM-1008-R012K	.012	± 10	15	2050	0.27	500	100	AISM-1008-1R5J	1.5	± 5	30	135	1.30	200	7.96
AISM-1008-R015K	.015	± 10	15	1850	0.31	480	100	AISM-1008-1R8J	1.8	± 5	30	100	1.45	210	7.96
AISM-1008-R018K	.018	± 10	15	1650	0.34	450	100	AISM-1008-2R2J	2.2	±V	30	75	1.55	200	7.96
AISM-1008-R022K	.022	±10	15	1550	0.38	420	100	AISM-1008-2R7J	2.7	±5	30	55	1.70	195	7.96
AISM-1008-R027K	.027	± 10	15	1400	0.42	410	100	AISM-1008-3R3J	3.3	± 5	30	48	1.90	185	7.96
AISM-1008-R033K	.033	±10	15	1250	0.46	400	100	AISM-1008-3R9J	3.9	±5	30	43	2.10	180	7.96
AISM-1008-R039K	.039	± 10	20	1100	0.50	380	100	AISM-1008-4R7J	4.7	± 5	30	40	2.30	175	7.96
AISM-1008-R047K	0.47	±10	20	1050	0.56	360	100	AISM-1008-5R6J	5.6	±5	25	36	2.50	170	7.96
AISM-1008-R056K	0.56	±10	20	950	0.65	340	100	AISM-1008-6R8J	6.8	±5	25	33	2.70	165	7.96
AISM-1008-R068K	0.68	±10	20	900	0.70	320	100	AISM-1008-8R2J	8.2	±5	25	30	3.05	160	7.96
AISM-1008-R082K	0.82	±10	20	850	0.75	300	100	AISM-1008-100J	10	±5	25	27	3.50	155	2.52
AISM-1008-R10K	.10	±10	20	700	0.80	280	100	AISM-1008-120J	12	±5	25	23	3.80	150	2.52
AISM-1008-R12K	.12	±10	30	600	0.37	520	25.2	AISM-1008-150J	15	±5	25	20	4.40	140	2.52
AISM-1008-R15K	.15	±10	30	550	0.42	480	25.2	AISM-1008-180J	18	±5	25	18	4.80	130	2.52
AISM-1008-R18K	.18	±10	30	500	0.46	460	25.2	AISM-1008-220J	22	±5	25	17	5.50	125	2.52
AISM-1008-R22K	.22	±10	30	450	0.52	430	25.2	AISM-1008-270J	27	±5	25	16	6.30	115	2.52
AISM-1008-R27K	.27	±10	30	425	0.56	420	25.2	AISM-1008-330J	33	±5	20	15	7.10	110	2.52
AISM-1008-R33K	.33	±10	30	400	0.60	400	25.2	AISM-1008-390J	39	±5	20	14	9.50	90	2.52
AISM-1008-R39K	.39	±10	30	375	0.65	375	25.2	AISM-1008-470J	47	±5	20	13	11.10	80	2.25
AISM-1008-R47K	.47	±10	30	350	0.68	350	25.2	AISM-1008-560J	56	±5	20	12	12.10	75	2.52
AISM-1008-R56K	.56	±10	30	300	0.75	325	25.2	AISM-1008-680J	68	±5	20	11	16.60	70	2.52
AISM-1008-R68K	.68	±10	30	270	0.85	300	25.2	AISM-1008-820J	82	±5	20	10	19.00	65	2.52
AISM-1008-R82K	.82	± 10	30	250	1.00	260	25.2	AISM-1008-101J	100	±5	15	9	21.00	60	0.796
AISM-1008-1ROJ	1.00	± 5	30	220	1.10	245	7.96								

- Testing: (Equivalent acceptable) Q: .010µH to .10µH HP4291A
  .12µH to 100µH HP4285A
  SRF: .010µH to .10µH HP8720B
  .12µH to 100µH HP4191A
  RDC: QuadTech 1880 Milliohmmeter
- Inductance:.010µH to .10µH HP4291A: .12µH to 100µH HP4285A
- Solderability: 90% Terminal coverage Preheat @230ºC ±5ºC for 5 ±.5 seconds Flux: Methanol solution with 25% colophony
- IDC:The maximum DCvalue having L decrease within 10% and Temperature Increase only 20ºC with the application of DC bias
- Operating Temperature: -40ºC to +105ºC
- Storage Temperature: -40ºC to +105ºC



Dimensions: mm