



AISM1812 SERIES

SMD Wire Wound Molded Chip Inductor

FEATURES

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

OPTIONS

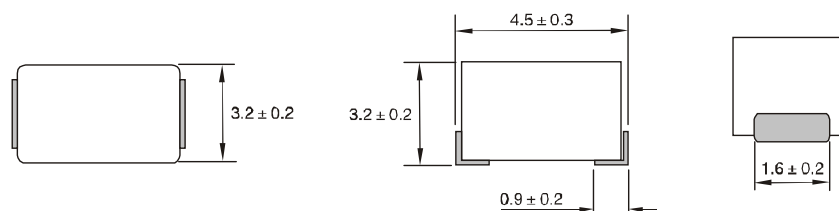
- Packaging: Tape & Reel is standard (Qty:2000pcs)
- Bulk packaging available for smaller quantities
- Tolerance: 10% and 5% is standard, tighter tolerances available

APPLICATIONS

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

Part Number	L (μH)	Tol %	Q min.	SRF MHz min.	DCR Ohm max.	IDC max. mA	Test Freq. MHz	Part Number	L (μH)	Tol %	Q min.	SRF MHz min.	DCR Ohm max.	IDC max. mA	Test Freq. MHz
AISM-1812-R10M	0.1	± 20	35	300	0.18	800	25.2	AISM-1812-150K	15	± 10	50	17	2.5	200	2.52
AISM-1812-R12M	0.12	± 20	35	280	0.2	770	25.2	AISM-1812-180K	18	± 10	50	15	2.8	190	2.52
AISM-1812-R15M	0.15	± 20	35	250	0.22	730	25.2	AISM-1812-220K	22	± 10	50	13	3.2	180	2.52
AISM-1812-R18M	0.18	± 20	35	220	0.24	700	25.2	AISM-1812-270K	27	± 10	50	12	3.6	170	2.52
AISM-1812-R22M	0.22	± 20	40	200	0.25	665	25.2	AISM-1812-330K	33	± 10	50	11	4	160	2.52
AISM-1812-R27M	0.27	± 20	40	180	0.26	635	25.2	AISM-1812-390K	39	± 10	50	10	4.5	150	2.52
AISM-1812-R33M	0.33	± 20	40	165	0.28	605	25.2	AISM-1812-470K	47	± 10	50	10	5	140	2.52
AISM-1812-R39M	0.39	± 20	40	150	2.3	575	25.2	AISM-1812-560K	56	± 10	50	9	5.5	135	2.52
AISM-1812-R47M	0.47	± 20	40	145	0.32	545	25.2	AISM-1812-680K	68	± 10	50	9	6	130	2.52
AISM-1812-R56M	0.56	± 20	40	140	0.36	520	25.2	AISM-1812-820K	82	± 10	50	8	7	120	2.52
AISM-1812-R68M	0.68	± 20	40	135	0.4	500	25.2	AISM-1812-101K	100	± 10	40	8	8	110	0.796
AISM-1812-R82M	0.82	± 20	40	130	0.45	475	25.2	AISM-1812-121K	120	± 10	40	6	8	110	0.796
AISM-1812-1R0K	1.0	± 10	50	100	0.5	450	7.96	AISM-1812-151K	150	± 10	40	5	9	105	0.796
AISM-1812-1R2K	1.2	± 10	50	80	0.55	430	7.96	AISM-1812-181K	180	± 10	40	5	9.5	102	0.796
AISM-1812-1R8K	1.8	± 10	50	60	0.65	390	7.96	AISM-1812-221K	220	± 10	40	4	10	100	0.796
AISM-1812-2R2K	2.2	± 10	50	55	0.7	380	7.96	AISM-1812-271K	270	± 10	40	4	12	92	0.796
AISM-1812-3R3K	3.3	± 10	50	45	0.8	355	7.96	AISM-1812-331K	330	± 10	40	3.5	14	85	0.796
AISM-1812-3R9K	3.9	± 10	50	40	0.9	330	7.96	AISM-1812-391K	390	± 10	40	3	18	80	0.796
AISM-1812-4R7K	4.7	± 10	50	35	1	315	7.96	AISM-1812-471K	470	± 10	40	3	26	62	0.796
AISM-1812-5R6K	5.6	± 10	50	33	1.1	300	7.96	AISM-1812-561K	560	± 10	30	3	30	50	0.796
AISM-1812-6R8K	6.8	± 10	50	27	1.2	285	7.96	AISM-1812-681K	680	± 10	30	3	30	50	0.796
AISM-1812-8R2K	8.2	± 10	50	25	1.4	270	7.96	AISM-1812-821K	820	± 10	30	2.5	35	30	0.796
AISM-1812-100K	10	± 10	50	20	1.6	250	2.52	AISM-1812-102K	1000	± 10	20	2.5	40	30	0.252
AISM-1812-120K	12	± 10	50	18	2	225	2.52								

- Testing: (Equivalent acceptable)
Inductance: HP4285A
RDC: QuadTech 1880 Milliohmeter -Q- HP4342A - SRF-HP4191A
- IDC Max: Determined when superimposed DC current is decreased 10% against its initial value
- Operating temperature: -40°C to +105°C
- Storage Temperature: -40°C to +105°C
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat: 260°C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance



Dimensions: (mm)