



AISM2220 SERIES

SMD Wire Wound Molded Chip Inductor

FEATURES

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

OPTIONS

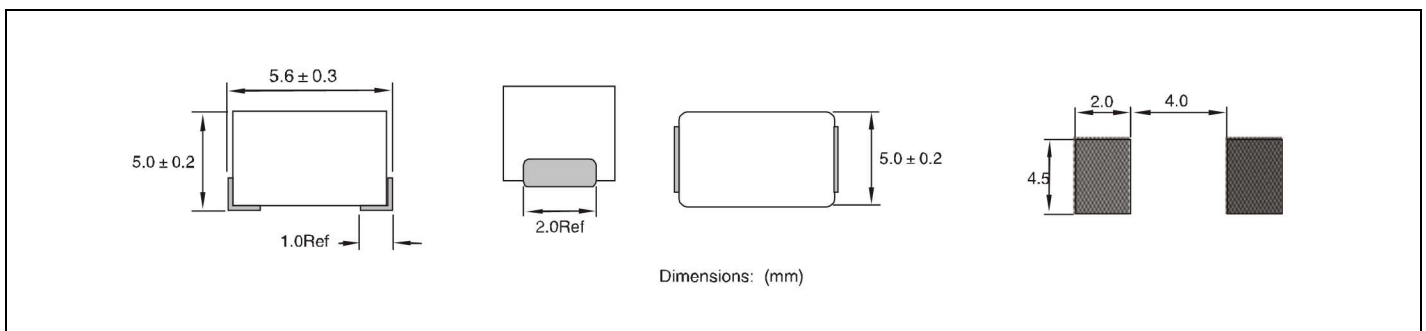
- Packaging: Tape & Reel is standard (Qty:500pcs)
- Bulk packaging available for smaller quantities
- Tolerance: 10% and 5% is standard, tighter tolerances available

APPLICATIONS

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

Part Number	L (μH)	Q min.	SRF MHz min.	DCR Ohm max.	IDC max. mA	Test Freq. MHz	Part Number	L (μH)	Q min.	SRF MHz min.	DCR Ohm max.	IDC max. mA	Test Freq. MHz
AISM-2220-1R0K	1	10	95	0.03	1800	7.96	AISM-2220-121K	120	20	5.4	1.9	230	0.796
AISM-2220-1R2K	1.2	10	70	0.035	1700	7.96	AISM-2220-151K	150	20	4.8	2.2	210	0.796
AISM-2220-1R5K	1.5	10	55	0.04	1600	7.96	AISM-2220-181K	180	20	4.4	2.8	190	0.796
AISM-2220-1R8K	1.8	10	47	0.05	1400	7.96	AISM-2220-221K	220	20	3.9	3.4	170	0.796
AISM-2220-2R2K	2.2	10	42	0.06	1300	7.96	AISM-2220-271K	270	20	3.6	4.2	155	0.796
AISM-2220-2R7K	2.7	10	37	0.07	1200	7.96	AISM-2220-331K	330	20	3.2	4.9	140	0.796
AISM-2220-3R3K	3.3	10	34	0.08	1120	7.96	AISM-2220-391K	390	20	2.9	5.8	130	0.796
AISM-2220-3R9K	3.9	10	32	0.09	1050	7.96	AISM-2220-471K	470	20	2.6	7	120	0.796
AISM-2220-4R7K	4.7	10	29	0.11	950	7.96	AISM-2220-561K	560	20	2.4	8.5	110	0.796
AISM-2220-5R6K	5.6	10	26	0.13	880	7.96	AISM-2220-681K	680	20	2.2	10	100	0.796
AISM-2220-6R8K	6.8	10	24	0.15	810	7.96	AISM-2220-821K	820	20	2	13	90	0.796
AISM-2220-8R2K	8.2	10	22	0.18	750	7.96	AISM-2220-102K	1000	20	1.8	15	85	0.252
AISM-2220-100K	10	10	19	0.21	690	2.52	AISM-2220-122J	1200	30	1.5	17	75	0.252
AISM-2220-120K	12	10	17	0.25	630	2.52	AISM-2220-152J	1500	30	1.4	20	70	0.252
AISM-2220-150K	15	10	16	0.3	580	2.52	AISM-2220-182J	1800	30	1.3	30	60	0.252
AISM-2220-180K	18	10	14	0.36	530	2.52	AISM-2220-222J	2200	30	1.2	35	55	0.252
AISM-2220-220K	22	10	13	0.43	480	2.52	AISM-2220-272J	2700	30	1.1	55	45	0.252
AISM-2220-270K	27	10	11.5	0.52	440	2.52	AISM-2220-332J	3300	30	1	60	40	0.252
AISM-2220-330K	33	10	10.5	0.62	400	2.52	AISM-2220-392J	3900	30	1	70	38	0.252
AISM-2220-390K	39	10	9.5	0.72	370	2.52	AISM-2220-472J	4700	30	0.9	78	36	0.252
AISM-2220-470K	47	10	8.5	0.85	340	2.52	AISM-2220-562J	5600	30	0.8	85	33	0.252
AISM-2220-560K	56	10	7.8	1	310	2.52	AISM-2220-682J	6800	30	0.7	110	30	0.252
AISM-2220-680K	68	10	7	1.2	290	2.52	AISM-2220-822J	8200	30	0.6	125	28	0.252
AISM-2220-820K	82	10	6.4	1.4	270	2.52	AISM-2220-103J	10000	20	0.5	150	25	0.0796
AISM-2220-101K	100	20	6	1.6	250	0.796	Note: 1. J ± 5%, K = ± 10%, M = ± 20%						

- Testing: (Equivalent acceptable)
Inductance: HP4285A
RDC: QuadTech 1880 Milliohm meter
-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





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