

SURFACE-MOUNT WOUND MOLDED CHIP INDUCTORS

AISM-1210 SERIES

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

COMMON APPLICATIONS:

- VCRs
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

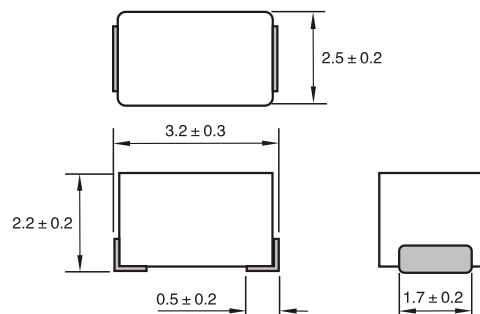
ELECTRICAL CHARACTERISTICS:

Part Number	L μ H	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz	Part Number	L μ H	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
AISM-1210-R12M	0.12	± 20	30	500	0.22	450	25.2	AISM-1210-8R2K	8.2	± 10	30	40	2.0	170	7.96
AISM-1210-R15M	0.15	± 20	30	450	0.25	450	25.2	AISM-1210-100K	10	± 10	30	36	2.1	150	2.52
AISM-1210-R18M	0.18	± 20	30	400	0.28	450	25.2	AISM-1210-120K	12	± 10	30	33	2.5	140	2.52
AISM-1210-R22M	0.22	± 20	30	350	0.32	450	25.2	AISM-1210-150K	15	± 10	30	30	2.8	130	2.52
AISM-1210-R27M	0.27	± 20	30	320	0.36	450	25.2	AISM-1210-180K	18	± 10	30	27	3.3	120	2.52
AISM-1210-R33M	0.33	± 20	30	300	0.40	450	25.2	AISM-1210-220K	22	± 10	30	25	3.7	110	2.52
AISM-1210-R39M	0.39	± 20	30	250	0.45	450	25.2	AISM-1210-270K	27	± 10	30	20	5.0	80	2.52
AISM-1210-R47M	0.47	± 20	30	220	0.50	450	25.2	AISM-1210-330K	33	± 10	30	17	5.6	70	2.52
AISM-1210-R56M	0.56	± 20	30	180	0.55	450	25.2	AISM-1210-390K	39	± 10	30	16	6.4	65	2.52
AISM-1210-R68M	0.68	± 20	30	160	0.60	450	25.2	AISM-1210-470K	47	± 10	30	15	7.0	60	2.52
AISM-1210-R82M	0.82	± 20	30	140	0.65	450	25.2	AISM-1210-560K	56	± 10	30	13	8.0	55	2.52
AISM-1210-1R0K	1.0	± 10	30	120	0.70	400	7.96	AISM-1210-680K	68	± 10	30	12	9.0	50	2.52
AISM-1210-1R2K	1.2	± 10	30	100	0.75	390	7.96	AISM-1210-820K	82	± 10	30	11	10	45	2.52
AISM-1210-1R5K	1.5	± 10	30	85	0.85	370	7.96	AISM-1210-101K	100	± 10	20	10	10	40	0.796
AISM-1210-1R8K	1.8	± 10	30	80	0.90	350	7.96	AISM-1210-121K	120	± 10	20	10	11	70	0.796
AISM-1210-2R2K	2.2	± 10	30	75	1.0	320	7.96	AISM-1210-151K	150	± 10	20	8	15	65	0.796
AISM-1210-2R7K	2.7	± 10	30	70	1.1	290	7.96	AISM-1210-181K	180	± 10	20	7	17	60	0.796
AISM-1210-3R3K	3.3	± 10	30	60	1.2	270	7.96	AISM-1210-221K	220	± 10	20	7	21	50	0.796
AISM-1210-3R9K	3.9	± 10	30	55	1.3	250	7.96	AISM-1210-271K	270	± 10	20	6	28	45	0.796
AISM-1210-4R7K	4.7	± 10	30	50	1.5	220	7.96	AISM-1210-331K	330	± 10	20	5	34	40	0.796
AISM-1210-5R6K	5.6	± 10	30	47	1.6	200	7.96	AISM-1210-391K	390	± 10	20	5	42	35	0.796
AISM-1210-6R8K	6.8	± 10	30	43	1.8	180	7.96	AISM-1210-471K	470	± 10	20	4	40	25	0.796

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
Inductance: HP4285A
RDC: QuadTech 1880 Milliohmeter
Q: HP4342A
SRF: HP4291A
- IDC Max: Determined when superimposed DC current is decreased 10% against its initial value
- Operating temperature: -25°C to $+85^{\circ}\text{C}$
- Storage Temperature: -40°C to $+85^{\circ}\text{C}$
- Solder methods: Wave, Vapor Phase, Infrared
- Resistance to soldering heat: 260°C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance

PHYSICAL CHARACTERISTICS:



Dimensions: mm

Note: All specifications subject to change without notice.