

SURFACE-MOUNT WOUND MOLDED CHIP INDUCTORS

1210

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:

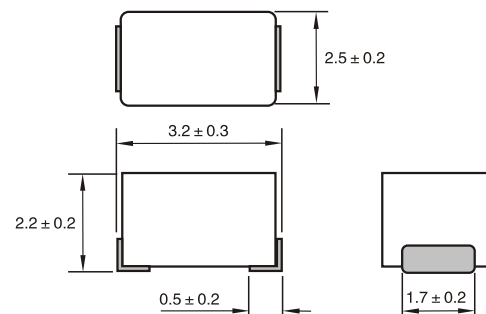
L μ H	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
0.12	± 20	30	500	0.22	450	25.2
0.15	± 20	30	450	0.25	450	25.2
0.18	± 20	30	400	0.28	450	25.2
0.22	± 20	30	350	0.32	450	25.2
0.27	± 20	30	320	0.36	450	25.2
0.33	± 20	30	300	0.40	450	25.2
0.39	± 20	30	250	0.45	450	25.2
0.47	± 20	30	220	0.50	450	25.2
0.56	± 20	30	180	0.55	450	25.2
0.68	± 20	30	160	0.60	450	25.2
0.82	± 20	30	140	0.65	450	25.2
1.0	± 10	30	120	0.70	400	7.96
1.2	± 10	30	100	0.75	390	7.96
1.5	± 10	30	85	0.85	370	7.96
1.8	± 10	30	80	0.90	350	7.96
2.2	± 10	30	75	1.0	320	7.96
2.7	± 10	30	70	1.1	290	7.96
3.3	± 10	30	60	1.2	270	7.96
3.9	± 10	30	55	1.3	250	7.96
4.7	± 10	30	50	1.5	220	7.96
5.6	± 10	30	47	1.6	200	7.96
6.8	± 10	30	43	1.8	180	7.96

L μ H	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
8.2	± 10	30	40	2.0	170	7.96
10	± 10	30	36	2.1	150	2.52
12	± 10	30	33	2.5	140	2.52
15	± 10	30	30	2.8	130	2.52
18	± 10	30	27	3.3	120	2.52
22	± 10	30	25	3.7	110	2.52
27	± 10	30	20	5.0	80	2.52
33	± 10	30	17	5.6	70	2.52
39	± 10	30	16	6.4	65	2.52
47	± 10	30	15	7.0	60	2.52
56	± 10	30	13	8.0	55	2.52
68	± 10	30	12	9.0	50	2.52
82	± 10	30	11	10	45	2.52
100	± 10	20	10	10	40	0.796
120	± 10	20	10	11	70	0.796
150	± 10	20	8	15	65	0.796
180	± 10	20	7	17	60	0.796
220	± 10	20	7	21	50	0.796
270	± 10	20	6	28	45	0.796
330	± 10	20	5	34	40	0.796
390	± 10	20	5	42	35	0.796
470	± 10	20	4	40	25	0.796

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
Inductance: HP4285A
RDC: QuadTech 1880 Milliohmmeter
Q: HP4342A
SRF: HP4291A
- IDC Max: Determined when superimposed DC current is decreased 10% against its initial value
- Operating temperature: -25°C to +85°C
- Storage Temperature: -40°C to +85°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.