

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:

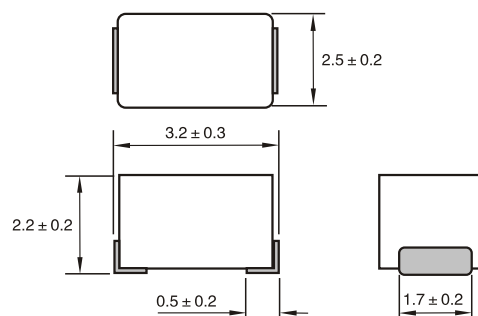
Part Number	L μ H	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
D DL0000.12m1210	0.12	± 20	30	500	0.22	450	25.2
D DL0000.15m1210	0.15	± 20	30	450	0.25	450	25.2
D DL0000.18m1210	0.18	± 20	30	400	0.28	450	25.2
D DL0000.22m1210	0.22	± 20	30	350	0.32	450	25.2
D DL0000.27m1210	0.27	± 20	30	320	0.36	450	25.2
D DL0000.33m1210	0.33	± 20	30	300	0.40	450	25.2
D DL0000.39m1210	0.39	± 20	30	250	0.45	450	25.2
D DL0000.47m1210	0.47	± 20	30	220	0.50	450	25.2
D DL0000.56m1210	0.56	± 20	30	180	0.55	450	25.2
D DL0000.68m1210	0.68	± 20	30	160	0.60	450	25.2
D DL0000.82m1210	0.82	± 20	30	140	0.65	450	25.2
D DL0001.00k1210	1.0	± 10	30	120	0.70	400	7.96
D DL0001.20k1210	1.2	± 10	30	100	0.75	390	7.96
D DL0001.50k1210	1.5	± 10	30	85	0.85	370	7.96
D DL0001.80k1210	1.8	± 10	30	80	0.90	350	7.96
D DL0002.20k1210	2.2	± 10	30	75	1.0	320	7.96
D DL0002.70k1210	2.7	± 10	30	70	1.1	290	7.96
D DL0003.30k1210	3.3	± 10	30	60	1.2	270	7.96
D DL0003.90k1210	3.9	± 10	30	55	1.3	250	7.96
D DL0004.70k1210	4.7	± 10	30	50	1.5	220	7.96
D DL0005.60k1210	5.6	± 10	30	47	1.6	200	7.96
D DL0006.80k1210	6.8	± 10	30	43	1.8	180	7.96

Part Number	L μ H	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
D DL0008.20k1210	8.2	± 10	30	40	2.0	170	7.96
D DL0010.00k1210	10	± 10	30	36	2.1	150	2.52
D DL0012.00k1210	12	± 10	30	33	2.5	140	2.52
D DL0015.00k1210	15	± 10	30	30	2.8	130	2.52
D DL0018.00k1210	18	± 10	30	27	3.3	120	2.52
D DL0022.00k1210	22	± 10	30	25	3.7	110	2.52
D DL0027.00k1210	27	± 10	30	20	5.0	80	2.52
D DL0033.00k1210	33	± 10	30	17	5.6	70	2.52
D DL0039.00k1210	39	± 10	30	16	6.4	65	2.52
D DL0047.00k1210	47	± 10	30	15	7.0	60	2.52
D DL0056.00k1210	56	± 10	30	13	8.0	55	2.52
D DL0068.00k1210	68	± 10	30	12	9.0	50	2.52
D DL0082.00k1210	82	± 10	30	11	10	45	2.52
D DL0100.00k1210	100	± 10	20	10	10	40	0.796
D DL0120.00k1210	120	± 10	20	10	11	70	0.796
D DL0150.00k1210	150	± 10	20	8	15	65	0.796
D DL0180.00k1210	180	± 10	20	7	17	60	0.796
D DL0220.00k1210	220	± 10	20	7	21	50	0.796
D DL0270.00k1210	270	± 10	20	6	28	45	0.796
D DL0330.00k1210	330	± 10	20	5	34	40	0.796
D DL0390.00k1210	390	± 10	20	5	42	35	0.796
D DL0470.00k1210	470	± 10	20	4	40	25	0.796

TECHNICAL INFORMATION:

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