Data Sheet

Customer:	
Product:	**Multilayer Ferrite Chip Inductor – MLH-G Series**
Sizes.:	**100505/160808/201209/201212/201609/252009/252010/321609/321611/322513/453215**
Issued Date:	**28-Apr-22**
Edition:	**REV.A**

RoHS Compliant

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28-Apr-22	**28-Apr-22**	**28-Apr-22**	**28-Apr-22**	
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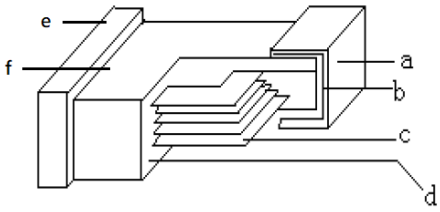
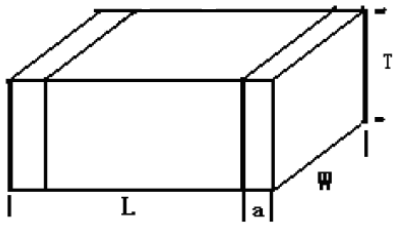
Multilayer Ferrite Chip Inductor

■Construction



a	Ni/Sn Plating	c	Inner Electrode	e	Terminal Electrode
b	Ag Layer	d	Body	F	Ferrite

■Dimensions



Type (LxWxT)	L (mm)	W (mm)	T (mm)	a (mm)
MLH100505	1.00±0.15	0.50±0.15	0.50±0.15	0.25±0.10
MLH160808	1.60±0.20	0.80±0.20	0.80±0.20	0.30±0.20
MLH201209	2.00±0.20	1.20±0.20	0.90±0.20	0.50±0.30
MLH201212	2.00±0.20	1.20±0.20	1.20±0.20	0.50±0.30
MLH201609	2.00±0.20	1.60±0.20	0.90±0.20	0.50±0.30
MLH252009	2.50±0.20	2.00±0.20	0.90±0.20	0.50±0.30
MLH252010	2.50±0.20	2.00±0.20	1.00±0.20	0.50±0.30
MLH321609	3.20±0.20	1.60±0.20	0.90±0.20	0.50±0.30
MLH321611	3.20±0.20	1.60±0.20	1.10±0.20	0.50±0.30
MLH322513	3.20±0.20	2.50±0.20	1.30±0.20	0.50±0.30
MLH453215	4.50±0.20	3.20±0.20	1.50±0.20	0.50±0.30

■Part Numbering

MLH	160808	K	T	U	1R0	-G
Product Type	Dimensions (LxWxT)	Inductance Tolerance	Packaging Code	Material Code	Inductance	Special
	100505:1.0x0.5x0.5 160808:1.6x0.8x0.8 201209:2.0x1.2x0.9 201212:2.0x1.2x1.2 201609:2.0x1.6x0.9 252009:2.5x2.0x0.9 252010:2.5x2.0x1.0 321609:3.2x1.6x0.9 321611:3.2x1.6x1.1 322513:3.2x2.5x1.3 453215:4.5x3.2x1.5	K: ±10% M: ±20%	T: Taping Reel	A: A Material B: B Material V: V Material U: U Material J: J Material X: X Material VD:VD Material UD:UD Material XD:XD Material JD:JD Material VE:VE Material UE:UE Material XE:XE Material JE:JE Material	47N: 47uH 1R0: 1.0uH 100: 10uH 101: 100uH	

■Standard Electrical Specifications

MLH201209 / A Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω)	IDC (mA) max.
MLH201209□TA1R0-G	1.0	M	1 MHz, 50mV	75	0.14±25%	300
MLH201209□TA2R2-G	2.2	M	1 MHz, 50mV	50	0.224±25%	220
MLH201209□TA3R3-G	3.3	M	1 MHz, 50mV	35	0.24±25%	200
MLH201209□TA4R7-G	4.7	M	1 MHz, 50mV	25	0.30±25%	180

MLH252010 / A Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω)	IDC (mA) max.
MLH252010□TA1R0-G	1.0	M	1 MHz, 50mV	70	0.08±25%	400
MLH252010□TA2R2-G	2.2	M	1 MHz, 50mV	55	0.12±25%	300
MLH252010□TA3R3-G	3.3	M	1 MHz, 50mV	30	0.144±25%	260
MLH252010□TA4R7-G	4.7	M	1 MHz, 50mV	25	0.18±25%	240

■Operating Temperature Range: -40~85℃

■Standard Electrical Specifications

MLH160808 / B Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω)	IDC (mA) max.
MLH160808□TBR47-G	0.47	M	1 MHz, 50mV	100	0.10±30%	1050
MLH160808□TBR56-G	0.56	M	1 MHz, 50mV	100	0.12±30%	1050
MLH160808□TB1R0-G	1.0	M	1 MHz, 50mV	98	0.20±30%	900
MLH160808□TB1R8-G	1.8	M	1 MHz, 50mV	95	0.24±30%	750
MLH160808□TB2R2-G	2.2	M	1 MHz, 50mV	95	0.24±30%	750
MLH160808□TB4R7-G	4.7	M	1 MHz, 50mV	65	0.50±30%	700

MLH201209 / B Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω)	IDC (mA) max.
MLH201209□TB1R0-G	1.0	M	1 MHz, 50mV	75	0.11±25%	1150
MLH201209□TB2R2-G	2.2	M	1 MHz, 50mV	50	0.20±25%	950
MLH201209□TB3R3-G	3.3	M	1 MHz, 50mV	35	0.22±25%	800
MLH201209□TB4R7-G	4.7	M	1 MHz, 50mV	25	0.30±25%	750
MLH201209□TB6R8-G	6.8	M	1 MHz, 50mV	25	0.30±25%	600

MLH201609 / B Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω)	IDC (mA) max.
MLH201609□TB1R0-G	1.0	M	1 MHz, 50mV	70	0.10±25%	1400
MLH201609□TB2R2-G	2.2	M	1 MHz, 50mV	50	0.16±25%	1200
MLH201609□TB3R3-G	3.3	M	1 MHz, 50mV	40	0.20±25%	1200
MLH201609□TB4R7-G	4.7	M	1 MHz, 50mV	30	0.26±25%	1100

MLH252010 / B Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω)	IDC (mA) max.
MLH252010□TB1R0-G	1.0	M	1 MHz, 50mV	70	0.06±25%	1600
MLH252010□TB2R2-G	2.2	M	1 MHz, 50mV	55	0.10±25%	1300
MLH252010□TB3R3-G	3.3	M	1 MHz, 50mV	30	0.14±25%	1200
MLH252010□TB4R7-G	4.7	M	1 MHz, 50mV	25	0.18±25%	1100

■**Operating Temperature Range: -40~85℃**

■Standard Electrical Specifications

MLH160808 / J Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH160808□TJ5R6-G	5.6	K	4 MHz, 50mV	12	22	1.55	5
MLH160808□TJ6R8-G	6.8	K	4 MHz, 50mV	12	20	1.55	5
MLH160808□TJ8R2-G	8.2	K	4 MHz, 50mV	12	18	1.65	5
MLH160808□TJ100-G	10	K	2 MHz, 50mV	20	17	1.75	3
MLH160808□TJ120-G	12	K	2 MHz, 50mV	20	15	1.85	3
MLH160808□TJ150-G	15	M	1 MHz, 50mV	20	14	2.50	1
MLH160808□TJ180-G	18	M	1 MHz, 50mV	20	13	2.70	1
MLH160808□TJ220-G	22	M	1 MHz, 50mV	20	12	3.00	1

MLH1201209 / J Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH201209□TJ150-G	15	K	1 MHz, 50mV	25	19	1.15	5
MLH201209□TJ180-G	18	K	1 MHz, 50mV	25	18	1.20	5
MLH201209□TJ220-G	22	K	1 MHz, 50mV	25	16	1.20	5
MLH201209□TJ270-G	27	K	1 MHz, 50mV	25	16	1.50	5
MLH201209□TJ330-G	33	M	1 MHz, 50mV	25	16	1.50	5
MLH201209□TJ390-G	39	M	1 MHz, 50mV	25	16	1.50	5
MLH201209□TJ470-G	47	M	1 MHz, 50mV	25	15	1.70	5
MLH201209□TJ560-G	56	M	1 MHz, 50mV	25	10	2.60	5
MLH201209□TJ680-G	68	M	1 MHz, 50mV	25	10	2.60	5

MLH321609 / J Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH321609□TJ150-G	15	K	1 MHz, 50mV	30	19	1.00	5
MLH321609□TJ180-G	18	K	1 MHz, 50mV	30	18	1.00	5
MLH321609□TJ220-G	22	K	1 MHz, 50mV	30	16	1.20	5
MLH321609□TJ270-G	27	K	1 MHz, 50mV	30	14	1.20	5
MLH321609□TJ330-G	33	K	1 MHz, 50mV	30	13	1.30	5
MLH321609□TJ390-G	39	K	1 MHz, 50mV	30	13	1.30	5

MLH321611 / J Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH321611□TJ470-G	47	K	1 MHz, 50mV	30	12	1.60	5
MLH321611□TJ560-G	56	M	1 MHz, 50mV	30	12	1.80	5
MLH321611□TJ680-G	68	M	1 MHz, 50mV	30	11	2.00	5
MLH321611□TJ820-G	82	M	1 MHz, 50mV	30	11	2.40	5
MLH321611□TJ101-G	100	M	1 MHz, 50mV	30	8	3.00	5

MLH322513 / J Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH322513□TJ150-G	15	K	1 MHz, 50mV	35	20	0.70	300
MLH322513□TJ180-G	18	K	1 MHz, 50mV	35	10	0.70	300
MLH322513□TJ220-G	22	K	1 MHz, 50mV	35	10	0.75	250
MLH322513□TJ270-G	27	K	1 MHz, 50mV	35	10	0.75	250
MLH322513□TJ330-G	33	K	1 MHz, 50mV	35	10	0.80	250
MLH322513□TJ390-G	39	K	1 MHz, 50mV	35	10	0.80	250
MLH322513□TJ470-G	47	K	1 MHz, 50mV	35	10	1.00	200
MLH322513□TJ560-G	56	M	1 MHz, 50mV	35	5	1.20	200
MLH322513□TJ680-G	68	M	1 MHz, 50mV	35	5	1.30	150
MLH322513□TJ820-G	82	M	1 MHz, 50mV	35	5	1.50	150
MLH322513□TJ101-G	100	M	1 MHz, 50mV	35	5	1.50	150
MLH322513□TJ121-G	120	M	1 MHz, 50mV	35	5	1.80	150

MLH453215 / J Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH453215□TJ150-G	15	K	1 MHz, 50mV	35	14	1.00	400
MLH453215□TJ180-G	18	K	1 MHz, 50mV	35	13	1.00	400
MLH453215□TJ220-G	22	K	1 MHz, 50mV	35	12	1.30	300
MLH453215□TJ270-G	27	K	1 MHz, 50mV	35	10	1.30	300
MLH453215□TJ330-G	33	K	1 MHz, 50mV	40	10	1.50	250
MLH453215□TJ390-G	39	K	1 MHz, 50mV	40	10	1.50	250
MLH453215□TJ470-G	47	K	1 MHz, 50mV	40	8	1.65	250
MLH453215□TJ560-G	56	K	1 MHz, 50mV	40	8	1.80	250
MLH453215□TJ680-G	68	M	1 MHz, 50mV	40	6	2.00	200
MLH453215□TJ820-G	82	M	1 MHz, 50mV	40	6	2.30	200
MLH453215□TJ101-G	100	M	1 MHz, 50mV	40	6	2.30	150
MLH453215□TJ121-G	120	M	1 MHz, 50mV	40	6	2.50	150

■**Operating Temperature Range: -40~85℃**

■Standard Electrical Specifications

MLH100505 / U Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH100505□TUR39-G	0.39	K	10 MHz, 50mV	15	70	1.30	20
MLH100505□TUR47-G	0.47	K	10 MHz, 50mV	15	68	1.50	20
MLH100505□TUR56-G	0.56	K	10 MHz, 50mV	15	55	2.00	20
MLH100505□TUR68-G	0.68	K	10 MHz, 50mV	15	50	2.30	20
MLH100505□TUR82-G	0.82	K	10 MHz, 50mV	15	45	3.00	18
MLH100505□TU1R0-G	1.0	K	10 MHz, 50mV	20	40	0.90	25
MLH100505□TU1R2-G	1.2	K	10 MHz, 50mV	20	35	1.20	25
MLH100505□TU1R5-G	1.5	K	10 MHz, 50mV	20	30	1.30	20
MLH100505□TU1R8-G	1.8	K	10 MHz, 50mV	20	30	1.40	20

MLH160808 / U Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH160808□TU1R0-G	1.0	K	10 MHz, 50mV	25	75	0.50	25
MLH160808□TU1R2-G	1.2	K	10 MHz, 50mV	25	65	0.55	25
MLH160808□TU1R5-G	1.5	K	10 MHz, 50mV	25	60	0.70	25
MLH160808□TU1R8-G	1.8	K	10 MHz, 50mV	25	55	0.75	25
MLH160808□TU2R2-G	2.2	K	10 MHz, 50mV	25	50	0.80	25
MLH160808□TU2R7-G	2.7	K	10 MHz, 50mV	25	45	0.90	15
MLH160808□TU3R3-G	3.3	K	10 MHz, 50mV	25	40	1.00	15
MLH160808□TU3R9-G	3.9	K	10 MHz, 50mV	25	35	1.30	15
MLH160808□TU4R7-G	4.7	K	10 MHz, 50mV	25	33	1.50	15

MLH201209 / U Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH201209□TU1R0-G	1.0	K	10 MHz, 50mV	35	75	0.40	50
MLH201209□TU1R2-G	1.2	K	10 MHz, 50mV	35	65	0.40	50
MLH201209□TU1R5-G	1.5	K	10 MHz, 50mV	35	60	0.40	50
MLH201209□TU1R8-G	1.8	K	10 MHz, 50mV	35	55	0.40	50
MLH201209□TU2R2-G	2.2	K	10 MHz, 50mV	35	50	0.60	50
MLH201209□TU2R7-G	2.7	K	10 MHz, 50mV	35	45	0.60	50
MLH201209□TU3R3-G	3.3	K	10 MHz, 50mV	35	41	0.60	50
MLH201209□TU3R9-G	3.9	K	10 MHz, 50mV	35	38	0.80	50
MLH201209□TU4R7-G	4.7	K	10 MHz, 50mV	35	35	0.90	30

MLH321609 / U Material (□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH321609□TU1R0-G	1.0	K	10 MHz, 50mV	35	75	0.30	100
MLH321609□TU1R2-G	1.2	K	10 MHz, 50mV	35	65	0.40	100
MLH321609□TU1R5-G	1.5	K	10 MHz, 50mV	35	60	0.40	50
MLH321609□TU1R8-G	1.8	K	10 MHz, 50mV	35	55	0.40	50
MLH321609□TU2R2-G	2.2	K	10 MHz, 50mV	35	50	0.50	50
MLH321609□TU2R7-G	2.7	K	10 MHz, 50mV	35	45	0.50	50
MLH321609□TU3R3-G	3.3	K	10 MHz, 50mV	35	41	0.50	50
MLH321609□TU3R9-G	3.9	K	10 MHz, 50mV	35	38	0.60	50
MLH321609□TU4R7-G	4.7	K	10 MHz, 50mV	35	35	0.65	25
MLH321609□TU5R6-G	5.6	K	4 MHz, 50mV	35	32	0.80	25

MLH322513 / U Material (□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH322513□TU1R0-G	1.0	K	10 MHz, 50mV	40	70	0.20	600
MLH322513□TU1R2-G	1.2	K	10 MHz, 50mV	40	70	0.20	600
MLH322513□TU1R5-G	1.5	K	10 MHz, 50mV	40	70	0.30	500
MLH322513□TU1R8-G	1.8	K	10 MHz, 50mV	40	70	0.30	500
MLH322513□TU2R2-G	2.2	K	10 MHz, 50mV	40	50	0.30	500
MLH322513□TU2R7-G	2.7	K	10 MHz, 50mV	40	50	0.30	500
MLH322513□TU3R3-G	3.3	K	10 MHz, 50mV	40	50	0.40	500
MLH322513□TU3R9-G	3.9	K	10 MHz, 50mV	40	30	0.40	500
MLH322513□TU4R7-G	4.7	K	10 MHz, 50mV	40	30	0.50	500
MLH322513□TU5R6-G	5.6	K	4 MHz, 50mV	35	30	0.60	450

MLH453215 / U Material (□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH453215□TU1R0-G	1.0	K	10 MHz, 50mV	35	50	0.55	650
MLH453215□TU1R2-G	1.2	K	10 MHz, 50mV	35	50	0.55	650
MLH453215□TU1R5-G	1.5	K	10 MHz, 50mV	35	45	0.55	600
MLH453215□TU1R8-G	1.8	K	10 MHz, 50mV	35	45	0.65	600
MLH453215□TU2R2-G	2.2	K	10 MHz, 50mV	35	40	0.65	500
MLH453215□TU2R7-G	2.7	K	10 MHz, 50mV	35	40	0.70	500
MLH453215□TU3R3-G	3.3	K	10 MHz, 50mV	35	35	0.75	500
MLH453215□TU3R9-G	3.9	K	10 MHz, 50mV	35	35	0.80	500
MLH453215□TU4R7-G	4.7	K	10 MHz, 50mV	30	25	0.90	500
MLH453215□TU5R6-G	5.6	K	4 MHz, 50mV	30	20	0.90	500
MLH453215□TU6R8-G	6.8	K	4 MHz, 50mV	30	18	1.00	500

■**Operating Temperature Range: -40~85℃**

■Standard Electrical Specifications

MLH100505 / V Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH100505□TV47N-G	0.047	K	50 MHz, 50mV	10	220	0.45	25
MLH100505□TV56N-G	0.056	K	50 MHz, 50mV	10	210	0.45	25
MLH100505□TV68N-G	0.068	K	50 MHz, 50mV	10	210	0.45	25
MLH100505□TV82N-G	0.082	K	50 MHz, 50mV	10	200	0.45	25
MLH100505□TVR10-G	0.10	K	25 MHz, 50mV	15	200	0.70	25
MLH100505□TVR12-G	0.12	K	25 MHz, 50mV	15	165	0.70	25
MLH100505□TVR15-G	0.15	K	25 MHz, 50mV	15	140	0.80	25
MLH100505□TVR18-G	0.18	K	25 MHz, 50mV	15	120	0.80	25
MLH100505□TVR22-G	0.22	K	25 MHz, 50mV	15	110	1.00	25
MLH100505□TVR27-G	0.27	K	25 MHz, 50mV	15	95	1.20	25
MLH100505□TVR33-G	0.33	K	25 MHz, 50mV	15	85	1.20	25

MLH160808 / V Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH160808□TV47N-G	0.047	K	50 MHz, 50mV	15	260	0.20	50
MLH160808□TV56N-G	0.056	K	50 MHz, 50mV	15	260	0.20	50
MLH160808□TV68N-G	0.068	K	50 MHz, 50mV	15	250	0.20	50
MLH160808□TV82N-G	0.082	K	50 MHz, 50mV	15	245	0.20	50
MLH160808□TVR10-G	0.10	K	25 MHz, 50mV	20	240	0.25	50
MLH160808□TVR12-G	0.12	K	25 MHz, 50mV	20	205	0.30	50
MLH160808□TVR15-G	0.15	K	25 MHz, 50mV	20	180	0.30	50
MLH160808□TVR18-G	0.18	K	25 MHz, 50mV	20	165	0.30	50
MLH160808□TVR22-G	0.22	K	25 MHz, 50mV	20	150	0.40	50
MLH160808□TVR27-G	0.27	K	25 MHz, 50mV	20	136	0.45	50
MLH160808□TVR33-G	0.33	K	25 MHz, 50mV	20	125	0.50	50
MLH160808□TVR39-G	0.39	K	25 MHz, 50mV	20	110	0.60	50
MLH160808□TVR47-G	0.47	K	25 MHz, 50mV	20	105	0.70	50
MLH160808□TVR56-G	0.56	K	25 MHz, 50mV	20	95	0.70	50
MLH160808□TVR68-G	0.68	K	25 MHz, 50mV	20	90	0.90	50
MLH160808□TVR82-G	0.82	K	25 MHz, 50mV	20	85	1.00	50

MLH201209 / V Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH201209□TV47N-G	0.047	K	50 MHz, 50mV	25	320	0.15	300
MLH201209□TV56N-G	0.056	K	50 MHz, 50mV	25	320	0.15	300
MLH201209□TV68N-G	0.068	K	50 MHz, 50mV	25	280	0.20	300
MLH201209□TV82N-G	0.082	K	50 MHz, 50mV	25	280	0.20	300
MLH201209□TVR10-G	0.10	K	25 MHz, 50mV	20	235	0.20	250
MLH201209□TVR12-G	0.12	K	25 MHz, 50mV	20	220	0.25	250
MLH201209□TVR15-G	0.15	K	25 MHz, 50mV	20	200	0.25	250
MLH201209□TVR18-G	0.18	K	25 MHz, 50mV	20	185	0.30	250
MLH201209□TVR22-G	0.22	K	25 MHz, 50mV	20	170	0.30	250
MLH201209□TVR27-G	0.27	K	25 MHz, 50mV	20	150	0.40	250
MLH201209□TVR33-G	0.33	K	25 MHz, 50mV	20	145	0.40	250
MLH201209□TVR39-G	0.39	K	25 MHz, 50mV	25	135	0.50	200
MLH201209□TVR47-G	0.47	K	25 MHz, 50mV	25	125	0.50	200
MLH201209□TVR56-G	0.56	K	25 MHz, 50mV	25	115	0.60	150
MLH201209□TVR68-G	0.68	K	25 MHz, 50mV	25	105	0.65	150
MLH201209□TVR82-G	0.82	K	25 MHz, 50mV	25	100	0.70	150

MLH321609 / V Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH321609□TV47N-G	0.047	K	50 MHz, 50mV	30	320	0.15	300
MLH321609□TV56N-G	0.056	K	50 MHz, 50mV	30	320	0.20	300
MLH321609□TV68N-G	0.068	K	50 MHz, 50mV	30	280	0.25	300
MLH321609□TV82N-G	0.082	K	50 MHz, 50mV	30	280	0.25	300
MLH321609□TVR10-G	0.10	K	25 MHz, 50mV	25	235	0.25	250
MLH321609□TVR12-G	0.12	K	25 MHz, 50mV	25	220	0.25	250
MLH321609□TVR15-G	0.15	K	25 MHz, 50mV	25	200	0.25	250
MLH321609□TVR18-G	0.18	K	25 MHz, 50mV	25	185	0.30	250
MLH321609□TVR22-G	0.22	K	25 MHz, 50mV	25	170	0.30	250
MLH321609□TVR27-G	0.27	K	25 MHz, 50mV	25	150	0.30	250
MLH321609□TVR33-G	0.33	K	25 MHz, 50mV	25	145	0.30	250
MLH321609□TVR39-G	0.39	K	25 MHz, 50mV	30	135	0.50	200
MLH321609□TVR47-G	0.47	K	25 MHz, 50mV	30	125	0.50	200
MLH321609□TVR56-G	0.56	K	25 MHz, 50mV	30	115	0.50	150
MLH321609□TVR68-G	0.68	K	25 MHz, 50mV	30	105	0.50	150
MLH321609□TVR82-G	0.82	K	25 MHz, 50mV	30	100	0.60	150

■**Operating Temperature Range: -40~85℃**

■Standard Electrical Specifications

MLH201209 / X Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH201209□TX5R6-G	5.6	K	4 MHz, 50mV	30	32	1.00	15
MLH201209□TX6R8-G	6.8	K	4 MHz, 50mV	30	29	1.05	15
MLH201209□TX8R2-G	8.2	K	4 MHz, 50mV	30	26	1.05	15
MLH201209□TX100-G	10	K	2 MHz, 50mV	30	24	1.15	15
MLH201209□TX120-G	12	K	2 MHz, 50mV	30	22	1.15	15

MLH321609 / X Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH321609□TX6R8-G	6.8	K	4 MHz, 50mV	35	29	0.80	25
MLH321609□TX8R2-G	8.2	K	4 MHz, 50mV	35	26	0.80	25
MLH321609□TX100-G	10	K	2 MHz, 50mV	35	24	0.80	25
MLH321609□TX120-G	12	K	2 MHz, 50mV	35	22	0.90	15

MLH322513 / X Material (□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH322513□TX6R8-G	6.8	K	4 MHz, 50mV	35	20	0.60	450
MLH322513□TX8R2-G	8.2	K	4 MHz, 50mV	35	20	0.70	400
MLH322513□TX100-G	10	K	2 MHz, 50mV	35	20	0.70	400
MLH322513□TX120-G	12	K	2 MHz, 50mV	35	20	0.70	400

MLH453215 / X Material (□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	Q min.	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH453215□TX8R2-G	8.2	K	4 MHz, 50mV	30	17	1.00	450
MLH453215□TX100-G	10	K	2 MHz, 50mV	30	16	1.00	450
MLH453215□TX120-G	12	K	2 MHz, 50mV	35	15	1.00	450

■Operating Temperature Range: -40~85℃

■Standard Electrical Specifications

MLH201209 / JD Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH201209□TJD150-G	15	M	1 MHz, 50mV	19	0.65	100

MLH321609 / JD Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH321609□TJD150-G	15	M	1 MHz, 50mV	19	0.65	100
MLH321609□TJD180-G	18	M	1 MHz, 50mV	18	0.65	100

■Operating Temperature Range: -40~85℃

■Standard Electrical Specifications

MLH201209 / UD Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH201209□TUD1R0-G	1.0	M	1 MHz, 50mV	75	0.24	800
MLH201209□TUD1R2-G	1.2	M	1 MHz, 50mV	65	0.24	800
MLH201209□TUD1R5-G	1.5	M	1 MHz, 50mV	60	0.30	700
MLH201209□TUD1R8-G	1.8	M	1 MHz, 50mV	55	0.36	600
MLH201209□TUD2R2-G	2.2	M	1 MHz, 50mV	50	0.36	600
MLH201209□TUD2R7-G	2.7	M	1 MHz, 50mV	45	0.36	600
MLH201209□TUD3R3-G	3.3	M	1 MHz, 50mV	41	0.40	350
MLH201209□TUD3R9-G	3.9	M	1 MHz, 50mV	38	0.40	350
MLH201209□TUD4R7-G	4.7	M	1 MHz, 50mV	35	0.40	350

MLH252009 / UD Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH252009□TUD1R0-G	1.0	M	1 MHz, 50mV	70	0.12	1500
MLH252009□TUD1R2-G	1.2	M	1 MHz, 50mV	50	0.15	1500
MLH252009□TUD1R5-G	1.5	M	1 MHz, 50mV	50	0.15	1500
MLH252009□TUD1R8-G	1.8	M	1 MHz, 50mV	40	0.18	1000
MLH252009□TUD2R2-G	2.2	M	1 MHz, 50mV	40	0.18	1000
MLH252009□TUD2R7-G	2.7	M	1 MHz, 50mV	30	0.22	1000
MLH252009□TUD3R3-G	3.3	M	1 MHz, 50mV	30	0.22	1000
MLH252009□TUD3R9-G	3.9	M	1 MHz, 50mV	25	0.26	1000
MLH252009□TUD4R7-G	4.7	M	1 MHz, 50mV	25	0.26	1000

MLH321609 / UD Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH321609□TUD1R0-G	1.0	M	1 MHz, 50mV	60	0.15	1200
MLH321609□TUD1R2-G	1.2	M	1 MHz, 50mV	65	0.15	1200
MLH321609□TUD1R5-G	1.5	M	1 MHz, 50mV	60	0.17	1000
MLH321609□TUD1R8-G	1.8	M	1 MHz, 50mV	55	0.24	900
MLH321609□TUD2R2-G	2.2	M	1 MHz, 50mV	50	0.24	900
MLH321609□TUD2R7-G	2.7	M	1 MHz, 50mV	45	0.30	800
MLH321609□TUD3R3-G	3.3	M	1 MHz, 50mV	41	0.30	800
MLH321609□TUD3R9-G	3.9	M	1 MHz, 50mV	38	0.38	700
MLH321609□TUD4R7-G	4.7	M	1 MHz, 50mV	35	0.38	700
MLH321609□TUD5R6-G	5.6	M	1 MHz, 50mV	32	0.45	500

■Operating Temperature Range: -40~85℃

■Standard Electrical Specifications

MLH201209 / VD Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH201209□TVD47N-G	0.047	M	1 MHz, 50mV	280	0.10	1100
MLH201209□TVD56N-G	0.056	M	1 MHz, 50mV	280	0.10	1100
MLH201209□TVD68N-G	0.068	M	1 MHz, 50mV	250	0.15	1100
MLH201209□TVD82N-G	0.082	M	1 MHz, 50mV	250	0.15	1100
MLH201209□TVDR10-G	0.10	M	1 MHz, 50mV	210	0.15	1100
MLH201209□TVDR12-G	0.12	M	1 MHz, 50mV	200	0.15	1100
MLH201209□TVDR15-G	0.15	M	1 MHz, 50mV	175	0.15	1100
MLH201209□TVDR18-G	0.18	M	1 MHz, 50mV	160	0.15	1100
MLH201209□TVDR22-G	0.22	M	1 MHz, 50mV	150	0.15	1100
MLH201209□TVDR27-G	0.27	M	1 MHz, 50mV	130	0.15	1100
MLH201209□TVDR33-G	0.33	M	1 MHz, 50mV	120	0.15	1100
MLH201209□TVDR39-G	0.39	M	1 MHz, 50mV	110	0.15	1100
MLH201209□TVDR47-G	0.47	M	1 MHz, 50mV	100	0.15	1100
MLH201209□TVDR56-G	0.56	M	1 MHz, 50mV	100	0.36	800
MLH201209□TVDR68-G	0.68	M	1 MHz, 50mV	95	0.36	800
MLH201209□TVDR82-G	0.82	M	1 MHz, 50mV	90	0.36	800

■**Operating Temperature Range: -40~85℃**

■Standard Electrical Specifications

MLH201209 / XD Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH201209□TXD5R6-G	5.6	M	1 MHz, 50mV	32	0.50	250
MLH201209□TXD6R8-G	6.8	M	1 MHz, 50mV	29	0.50	250
MLH201209□TXD8R2-G	8.2	M	1 MHz, 50mV	26	0.56	250
MLH201209□TXD100-G	10	M	1 MHz, 50mV	24	0.56	250
MLH201209□TXD120-G	12	M	1 MHz, 50mV	22	0.56	250

MLH321609 / XD Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH321609□TXD6R8-G	6.8	M	1 MHz, 50mV	29	0.45	500
MLH321609□TXD8R2-G	8.2	M	1 MHz, 50mV	26	0.55	300
MLH321609□TXD100-G	10	M	1 MHz, 50mV	24	0.55	300
MLH321609□TXD120-G	12	M	1 MHz, 50mV	22	0.55	300

■**Operating Temperature Range: -40~85℃**

■Standard Electrical Specifications

MLH160808 / JE Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH160808□TJE5R6-G	5.6	M	1 MHz, 50mV	22	0.90	60
MLH160808□TJE6R8-G	6.8	M	1 MHz, 50mV	20	0.90	60
MLH160808□TJE8R2-G	8.2	M	1 MHz, 50mV	18	1.05	60
MLH160808□TJE100-G	10	M	1 MHz, 50mV	17	1.15	60
MLH160808□TJE120-G	12	M	1 MHz, 50mV	15	1.25	60

MLH201209 / JE Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH201209□TJE150-G	15	M	1 MHz, 50mV	19	0.75	50
MLH201209□TJE180-G	18	M	1 MHz, 50mV	18	0.75	50
MLH201209□TJE220-G	22	M	1 MHz, 50mV	16	0.75	50

MLH321609 / JE Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH321609□TJE150-G	15	M	1 MHz, 50mV	19	0.80	50
MLH321609□TJE180-G	18	M	1 MHz, 50mV	18	0.80	50
MLH321609□TJE220-G	22	M	1 MHz, 50mV	16	1.00	50
MLH321609□TJE270-G	27	M	1 MHz, 50mV	14	1.00	50

■Operating Temperature Range: -40~85℃

■Standard Electrical Specifications

MLH160808 / UE Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH160808□TUE1R0-G	1.0	M	1 MHz, 50mV	75	0.30	150
MLH160808□TUE1R2-G	1.2	M	1 MHz, 50mV	65	0.30	150
MLH160808□TUE1R5-G	1.5	M	1 MHz, 50mV	60	0.35	120
MLH160808□TUE1R8-G	1.8	M	1 MHz, 50mV	55	0.40	120
MLH160808□TUE2R2-G	2.2	M	1 MHz, 50mV	50	0.50	120
MLH160808□TUE2R7-G	2.7	M	1 MHz, 50mV	45	0.60	100
MLH160808□TUE3R3-G	3.3	M	1 MHz, 50mV	40	0.65	100
MLH160808□TUE3R9-G	3.9	M	1 MHz, 50mV	35	0.70	80
MLH160808□TUE4R7-G	4.7	M	1 MHz, 50mV	33	0.75	80

MLH201209 / UE Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH201209□TUE1R0-G	1.0	M	1 MHz, 50mV	75	0.26	220
MLH201209□TUE1R2-G	1.2	M	1 MHz, 50mV	65	0.26	220
MLH201209□TUE1R5-G	1.5	M	1 MHz, 50mV	60	0.30	180
MLH201209□TUE1R8-G	1.8	M	1 MHz, 50mV	55	0.30	180
MLH201209□TUE2R2-G	2.2	M	1 MHz, 50mV	50	0.36	150
MLH201209□TUE2R7-G	2.7	M	1 MHz, 50mV	45	0.36	150
MLH201209□TUE3R3-G	3.3	M	1 MHz, 50mV	41	0.40	120
MLH201209□TUE3R9-G	3.9	M	1 MHz, 50mV	38	0.40	120
MLH201209□TUE4R7-G	4.7	M	1 MHz, 50mV	35	0.40	120

MLH321609 / UE Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH321609□TUE1R0-G	1.0	M	1 MHz, 50mV	75	0.20	250
MLH321609□TUE1R2-G	1.2	M	1 MHz, 50mV	65	0.20	250
MLH321609□TUE1R5-G	1.5	M	1 MHz, 50mV	60	0.25	250
MLH321609□TUE1R8-G	1.8	M	1 MHz, 50mV	55	0.25	250
MLH321609□TUE2R2-G	2.2	M	1 MHz, 50mV	50	0.30	200
MLH321609□TUE2R7-G	2.7	M	1 MHz, 50mV	45	0.30	200
MLH321609□TUE3R3-G	3.3	M	1 MHz, 50mV	41	0.30	200
MLH321609□TUE3R9-G	3.9	M	1 MHz, 50mV	38	0.35	150
MLH321609□TUE4R7-G	4.7	M	1 MHz, 50mV	35	0.35	150
MLH321609□TUE5R6-G	5.6	M	1 MHz, 50mV	32	0.50	100

■**Operating Temperature Range: -40~85℃**

■Standard Electrical Specifications

MLH160808 / VE Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH160808□TVE47N-G	0.047	M	1 MHz, 50mV	260	0.12	150
MLH160808□TVE56N-G	0.056	M	1 MHz, 50mV	260	0.12	150
MLH160808□TVE68N-G	0.068	M	1 MHz, 50mV	250	0.12	150
MLH160808□TVE82N-G	0.082	M	1 MHz, 50mV	245	0.12	150
MLH160808□TVER10-G	0.10	M	1 MHz, 50mV	240	0.15	150
MLH160808□TVER12-G	0.12	M	1 MHz, 50mV	205	0.20	150
MLH160808□TVER15-G	0.15	M	1 MHz, 50mV	180	0.20	150
MLH160808□TVER18-G	0.18	M	1 MHz, 50mV	165	0.20	150
MLH160808□TVER22-G	0.22	M	1 MHz, 50mV	150	0.25	150
MLH160808□TVER27-G	0.27	M	1 MHz, 50mV	136	0.30	100
MLH160808□TVER33-G	0.33	M	1 MHz, 50mV	125	0.30	100
MLH160808□TVER39-G	0.39	M	1 MHz, 50mV	110	0.35	100
MLH160808□TVER47-G	0.47	M	1 MHz, 50mV	105	0.45	100
MLH160808□TVER56-G	0.56	M	1 MHz, 50mV	95	0.45	100
MLH160808□TVER68-G	0.68	M	1 MHz, 50mV	90	0.55	100
MLH160808□TVER82-G	0.82	M	1 MHz, 50mV	85	0.60	100

MLH201209 / VE Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH201209□TVE47N-G	0.047	M	1 MHz, 50mV	320	0.15	350
MLH201209□TVE56N-G	0.056	M	1 MHz, 50mV	320	0.15	350
MLH201209□TVE68N-G	0.068	M	1 MHz, 50mV	280	0.20	350
MLH201209□TVE82N-G	0.082	M	1 MHz, 50mV	280	0.20	350
MLH201209□TVER10-G	0.10	M	1 MHz, 50mV	235	0.20	350
MLH201209□TVER12-G	0.12	M	1 MHz, 50mV	220	0.20	350
MLH201209□TVER15-G	0.15	M	1 MHz, 50mV	200	0.20	350
MLH201209□TVER18-G	0.18	M	1 MHz, 50mV	185	0.25	300
MLH201209□TVER22-G	0.22	M	1 MHz, 50mV	170	0.25	300
MLH201209□TVER27-G	0.27	M	1 MHz, 50mV	150	0.25	300
MLH201209□TVER33-G	0.33	M	1 MHz, 50mV	145	0.25	300
MLH201209□TVER39-G	0.39	M	1 MHz, 50mV	135	0.30	250
MLH201209□TVER47-G	0.47	M	1 MHz, 50mV	125	0.30	250
MLH201209□TVER56-G	0.56	M	1 MHz, 50mV	115	0.36	200
MLH201209□TVER68-G	0.68	M	1 MHz, 50mV	105	0.36	200
MLH201209□TVER82-G	0.82	M	1 MHz, 50mV	100	0.36	200

MLH321609 / VE Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH321609□TVE47N-G	0.047	M	1 MHz, 50mV	320	0.15	450
MLH321609□TVE56N-G	0.056	M	1 MHz, 50mV	320	0.15	450
MLH321609□TVE68N-G	0.068	M	1 MHz, 50mV	280	0.20	450
MLH321609□TVE82N-G	0.082	M	1 MHz, 50mV	280	0.20	450
MLH321609□TVER10-G	0.10	M	1 MHz, 50mV	235	0.20	350
MLH321609□TVER12-G	0.12	M	1 MHz, 50mV	220	0.20	350
MLH321609□TVER15-G	0.15	M	1 MHz, 50mV	200	0.20	350
MLH321609□TVER18-G	0.18	M	1 MHz, 50mV	185	0.20	350
MLH321609□TVER22-G	0.22	M	1 MHz, 50mV	170	0.20	350
MLH321609□TVER27-G	0.27	M	1 MHz, 50mV	150	0.20	350
MLH321609□TVER33-G	0.33	M	1 MHz, 50mV	145	0.20	350
MLH321609□TVER39-G	0.39	M	1 MHz, 50mV	135	0.30	220
MLH321609□TVER47-G	0.47	M	1 MHz, 50mV	125	0.30	220
MLH321609□TVER56-G	0.56	M	1 MHz, 50mV	115	0.30	220
MLH321609□TVER68-G	0.68	M	1 MHz, 50mV	105	0.30	220
MLH321609□TVER82-G	0.82	M	1 MHz, 50mV	100	0.30	220

■**Operating Temperature Range: -40~85℃**

■Standard Electrical Specifications

MLH201209 / XE Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH201209□TXE5R6-G	5.6	M	1 MHz, 50mV	32	0.60	100
MLH201209□TXE6R8-G	6.8	M	1 MHz, 50mV	29	0.60	100
MLH201209□TXE8R2-G	8.2	M	1 MHz, 50mV	26	0.65	100
MLH201209□TXE100-G	10	M	1 MHz, 50mV	24	0.65	100
MLH201209□TXE120-G	12	M	1 MHz, 50mV	22	0.65	100

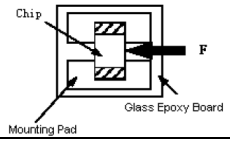
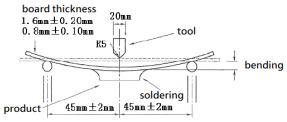
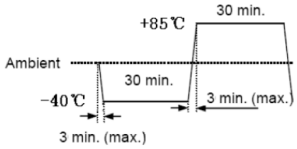
MLH321609 / XE Material(□:Tolerance):

Part No.	Inductance (uH)	Tolerance	Test Condition	SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
MLH321609□TXE6R8-G	6.8	M	1 MHz, 50mV	29	0.50	100
MLH321609□TXE8R2-G	8.2	M	1 MHz, 50mV	26	0.50	100
MLH321609□TXE100-G	10	M	1 MHz, 50mV	24	0.50	100
MLH321609□TXE120-G	12	M	1 MHz, 50mV	22	0.60	100

■Operating Temperature Range: -40~85℃

■Environmental Characteristics

Item	Requirement	Test Method
Solder ability	At least 95% of terminal electrode should be covered with solder	Preheating temperature: 120~150℃ Preheating time: 60s Solder: 96.5%Sn/3.0%Ag/0.5%Cu of the Sn solder. Solder temperature: 245±5℃ Immersion tin depth: 10mm Duration: 5±1s Dip performance to a flux of about: 3~5s
Resistance to Soldering	At least 95% of terminal electrode should be covered with solder. No mechanical damage. Inductance: V,U,VE, UE, VD, UD Material: change within ±20% X, XE, XD Material: change within ±25% A, B, J, JE, JD Material: change within ±30% Q value change (ferrite) : within ±30%(V,U,X,J Material only)	Preheating temperature: 120~150℃ Preheating time: 60s Solder: 96.5%Sn/3.0%Ag/0.5%Cu of the Sn solder. Solder temperature: 260±5℃ Immersion tin depth: 10mm Duration: 10±1s Dip performance to a flux of about: 3~5s
High temperature resistance	No mechanical damage. Inductance change: within ±10% Q value change (ferrite): within ±30%(V,U,X,J Material only)	Testing time: 1000+24/-0 hrs. Temperature: 85±2℃
Static Humidity	No mechanical damage. Inductance change: within ±10% Q value change (ferrite): within ±30%(V,U,X,J Material only)	Humidity: 90~95%RH Temperature: 60±2℃ Testing time: 1000+24/-0 hrs.

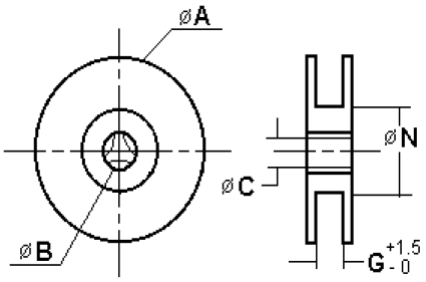
Item	Requirement	Test Method
Adhesion of electrode	The termination and body should be no damage.	Applied force: 5N force for 1005 series; 7N force for 1608 series; 10N force for 2012, 2016, 2520, 3216 series; 15N force for 3225, 4532 series. Keep time: 10±1s 
Low temperature resistance	No mechanical damage. Inductance change: within ±10% Q value change (ferrite): within ±30%(V,U,X,J Material only)	Temperature: -40±2℃ Testing time: 1000+24/-0 hrs.
Bending strength	No mechanical damage.	Testing board: glass epoxy-resin substrate for 0.5 mm/s compression speed, curvature: 2mm , hold time 20±1s. 
Vibration	No mechanical damage. Inductance change: within ±10% Q value change (ferrite): within ±30%(V,U,X,J Material only)	Amplitude modulation: 1.5mm Test time: A period of 2h in each of 3 mutually perpendicular directions. Frequency range: 10Hz ~ 55Hz ~ 10Hz for 1min.
High temperature load	No mechanical damage. Inductance change: within ±10% Q value change (ferrite): within ±30%(V,U,X,J Material only)	Impose current: at room Testing time: 1000+24/-0 hrs. Temperature: 85±2℃
Temperature Shock	No mechanical damage. Inductance change: within ±10% Q value change (ferrite): within ±30%(V,U,X,J Material only)	Temperature: -40℃ for 30±3min +85℃ for 30±3min Number of cycles: 32 

■When there are questions concerning, measurement shall be made after 24±2 hrs of recovery under the standard condition.

■Storage Temperature: -10~40°C; Humidity 30~70%RH

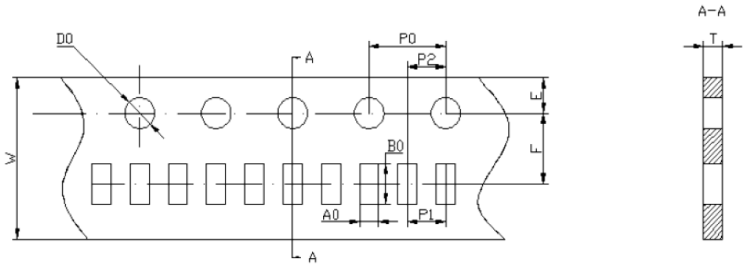
■Packaging

Reel Specifications



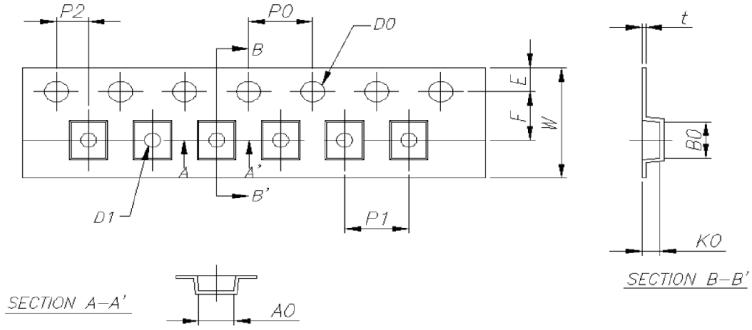
Type	A (mm)	B (mm)	C (mm)	N (mm)	G (mm)	Quantity (pcs)
MLH100505	178±2	22±2	12.5±1.5	57±2	8	10,000
MLH160808	178±2	22±2	12.5±1.5	57±2	8	4,000
MLH201209	178±2	22±2	12.5±1.5	57±2	8	4,000
MLH201212	178±2	22±2	12.5±1.5	57±2	8	3,000
MLH201609	178±2	22±2	12.5±1.5	57±2	8	4,000
MLH252009	178±2	22±2	12.5±1.5	57±2	8	3,000
MLH252010	178±2	22±2	12.5±1.5	57±2	8	3,000
MLH321609	178±2	22±2	12.5±1.5	57±2	8	4,000
MLH321611	178±2	22±2	12.5±1.5	57±2	8	3,000
MLH322513	178±2	22±2	12.5±1.5	57±2	8	3,000
MLH453215	330±2	22±2	12.5±1.5	98±2	12	3,000

Paper Tape Specifications



Type	A0 (mm)	B0 (mm)	W (mm)	F (mm)	E (mm)	P1 (mm)	P2 (mm)	P0 (mm)	D0 (mm)	T (mm)
MLH100505	0.65±0.1	1.15±0.1	8.0±0.2	3.5±0.1	1.75±0.2	2.0±0.1	2.0±0.1	4.0±0.2	1.55±0.1	0.60±0.1
MLH160808	1.10±0.2	1.90±0.2	8.0±0.2	3.5±0.1	1.75±0.2	4.0±0.2	2.0±0.1	4.0±0.2	1.55±0.1	0.95±0.1
MLH201209	1.50±0.2	2.30±0.2	8.0±0.2	3.5±0.1	1.75±0.2	4.0±0.2	2.0±0.1	4.0±0.2	1.55±0.1	0.95±0.1
MLH321609	1.90±0.2	3.50±0.2	8.0±0.2	3.5±0.1	1.75±0.2	4.0±0.2	2.0±0.1	4.0±0.2	1.55±0.1	0.95±0.1

Embossed Tape Specifications



Type	W (mm)	E (mm)	F (mm)	D0 (mm)	D1 (mm)	P0 (mm)	P1 (mm)	P2 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	t (mm)
MLH201212	8.00 ±0.2	1.75 ±0.1	3.50 ±0.1	1.50 ±0.1	1.00 ±0.1	4.00 ±0.1	4.00 ±0.1	2.00 ±0.1	1.52 ±0.1	2.41 ±0.1	1.35 ±0.1	0.23 ±0.2
MLH201609	8.00 ±0.2	1.75 ±0.1	3.50 ±0.1	1.50 ±0.1	-	4.00 ±0.1	4.00 ±0.1	2.00 ±0.1	1.90 ±0.1	2.30 ±0.1	1.15 ±0.1	0.23 ±0.2
MLH252009	8.00 ±0.2	1.75 ±0.1	3.50 ±0.1	1.50 ±0.1	1.00 ±0.1	4.00 ±0.1	4.00 ±0.1	2.00 ±0.1	2.20 ±0.1	2.75 ±0.1	1.05 ±0.1	0.23 ±0.2
MLH252010	8.00 ±0.2	1.75 ±0.1	3.50 ±0.1	1.50 ±0.1	1.00 ±0.1	4.00 ±0.1	4.00 ±0.1	2.00 ±0.1	2.20 ±0.1	2.75 ±0.1	1.05 ±0.1	0.23 ±0.2
MLH321611	8.00 ±0.2	1.75 ±0.1	3.50 ±0.1	1.50 ±0.1	1.00 ±0.1	4.00 ±0.1	4.00 ±0.1	2.00 ±0.05	1.88 ±0.1	3.50 ±0.1	1.27 ±0.1	0.23 ±0.2
MLH322513	8.00 ±0.2	1.75 ±0.1	3.50 ±0.1	1.50 ±0.1	1.00 ±0.1	4.00 ±0.1	4.00 ±0.1	2.00 ±0.05	2.77 ±0.1	3.42 ±0.1	1.55 ±0.1	0.23 ±0.2
MLH453215	12.00 ±0.2	1.75 ±0.1	5.50 ±0.1	1.50 ±0.1	1.50 ±0.1	4.00 ±0.1	8.00 ±0.1	2.00 ±0.1	3.66 ±0.1	4.95 ±0.1	1.85 ±0.1	0.24 ±0.2

■Recommend Soldering Conditions