




SPECIFICATION FOR APPROVAL

CUSTOMER	_____
PART NO.	10NJ 12NJ 15NJ (f)/1R0K
DESCRIPTION	<u>SMD CHIP INDUCTORS(ROHS)</u>
CUS.REV	_____
SAMPLE LOT NO	_____
P/N.	<u>MLW1608 SERIES</u>
DATE	_____

Important Note to Customer

If you approve this sample , please sign on the line below and return this page to:

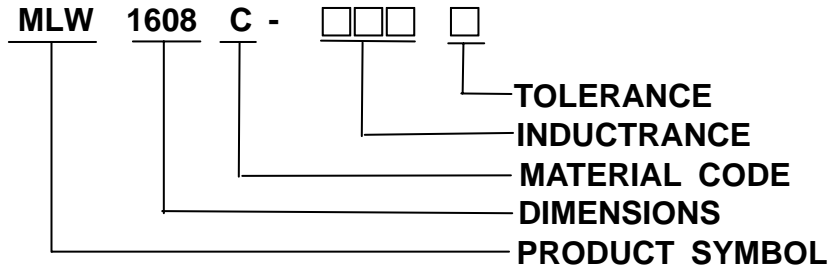
Customer Signature: _____ Date: _____

TEST BY	CHECK BY	APPROVED BY
		

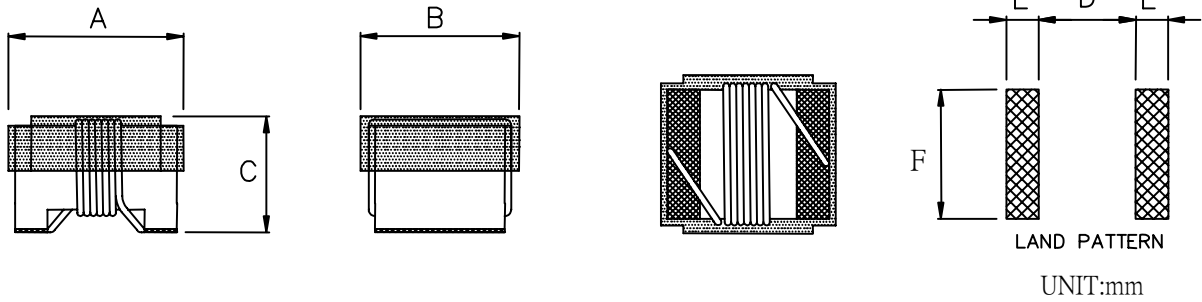
SPECIFICATION FOR APPROVAL

CUSTOMER	CUSTOMER P/N	REV. ORIG	SPL. LOT NO.	PAGE 1/3
PART NAME SMD CHIP INDUCTOR (ROHS)	P/N MLW1608 SERIES	REV. ORIG	DATE OF ISSUE	Q'TY EA

1. **SCOPE : THIS SPECIFICATION APPLIES TO WIRE WOUND CHIP INDUCTORS.**
2. **PART NUMBERING : PRODUCT IDENTIFICATION**



3. **PART DIMENSION :**



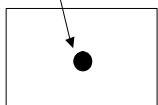
SERIES	A	B	C	D	E	F
MLW1608	1.80(MAX)	1.12(MAX)	1.02(MAX)	0.64(MAX)	0.64	1.02

4. **RATING TEMPERATURE :**

OPERATING TEMPERATURE : -40°C ~ 125°C
STORAGE TEMPERATURE : -40°C ~ 125°C

5. **MARKING :**

IDENTIFIER(GRAY)



COLOR CODE

Ex :MLW1608C10NJ

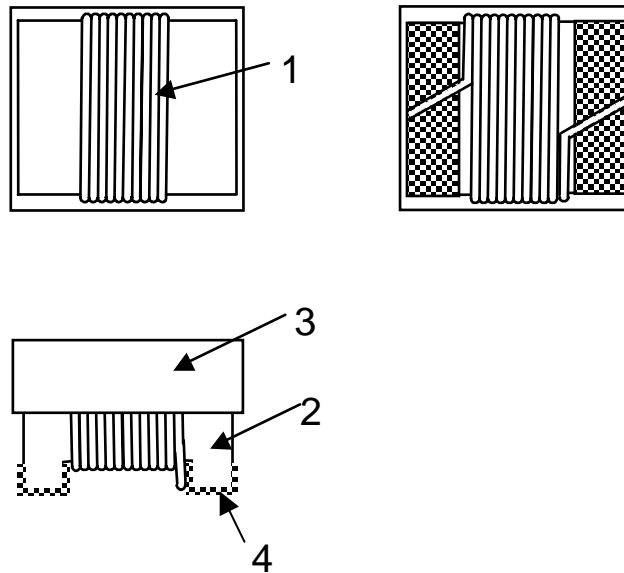
MARKING : GRAY

MARK COLOR CODE IN COMPOSITE SPECIFICATION 10

SPECIFICATION FOAPPROVAL

CUSTOMER	CUSTOMER P/N	REV. ORIG	SPL. LOT NO.	PAGE 2/3
PART NAME SMD CHIP INDUCTOR (ROHS)	P/N MLW1608 SERIES	REV. ORIG	DATE OF ISSUE	Q'TY EA

6. STRUCTURE



7. MATERIAL LIST:

ITEM	PART	DESCRIPTION	UL NO.
1	WIRE	POLYSOL 155	E143312
2	CORE	CERAMIC CORE	
3	UV	UV	
4.	TERMINAL PLATEING	AgPd+Au+Ni	

8. TEST INSTRUMENT:

8-1 L、Q TEST BY HP4291B

8-2 SRF TSET BY HP 8753E

8-2 DCR TEST BY ZENTECH 502BC

SPECIFICATION FOR APPROVAL

CUSTOMER	CUSTOMER P/N	REV. ORIG	SPL. LOT NO.	PAGE 3/3
PART NAME SMD CHIP INDUCTOR (ROHS)	P/N MLW1608 SERIES	REV. ORIG	DATE OF ISSUE	Q'TY EA

9. SPECIFICATION :

Part No.	Ind. (nH)	Test Freq. (MHz)	Inductance Tolerance	Q Min	SRF (MHz) Min	DCR (Ohms) Max	RATED CURRENT (mA)	REMARK
MLW1608-1N6	1.6	250	K, J	24	12500	0.030	700	
MLW1608-1N8	1.8	250	K, J	16	12500	0.045	700	
MLW1608-2N2	2.2	250	K, J	12	12500	0.048	700	
MLW1608-3N3	3.3	250	K, J	20	5900	0.055	600	
MLW1608-3N6	3.6	250	K, J	22	5900	0.063	600	
MLW1608-3N9	3.9	250	K, J	22	6900	0.08	600	
MLW1608-4N3	4.3	250	K, J	22	5900	0.063	500	
MLW1608-4N7	4.7	250	K, J	20	5800	0.106	500	
MLW1608-5N1	5.1	250	K, J	20	5700	0.109	500	
MLW1608-5N6	5.6	250	K, J, G	18	5700	0.115	500	
MLW1608-6N8	6.8	250	K, J, G	27	5800	0.115	400	
MLW1608-7N5	7.5	250	K, J, G	28	4800	0.116	400	
MLW1608-8N2	8.2	250	K, J, G	28	4700	0.118	400	
MLW1608-8N7	8.7	250	K, J, G	28	4600	0.129	400	
MLW1608-9N5	9.5	250	J, G	28	5400	0.135	400	
MLW1608-10N	10	250	J, G	31	4800	0.13	400	
MLW1608-11N	11	250	J, G	33	4000	0.13	400	
MLW1608-12N	12	250	J, G	35	4000	0.13	400	
MLW1608-15N	15	250	J, G	35	4000	0.17	400	
MLW1608-16N	16	250	J, G	35	3300	0.16	400	
MLW1608-18N	18	250	J, G	35	3100	0.17	300	
MLW1608-22N	22	250	J, G	38	3000	0.19	300	
MLW1608-23N	23	250	J, G	38	2850	0.195	300	
MLW1608-24N	24	250	J, G	37	2650	0.20	300	
MLW1608-27N	27	250	J, G	37	2800	0.21	300	
MLW1608-30N	30	250	J, G	37	2250	0.22	300	
MLW1608-33N	33	250	J, G	37	2300	0.23	300	
MLW1608-36N	36	250	J, G	38	2080	0.24	300	
MLW1608-39N	39	250	J, G	40	2200	0.25	300	
MLW1608-43N	43	250	J, G	39	2000	0.28	250	
MLW1608-47N	47	200	J, G	38	2000	0.28	250	
MLW1608-51N	51	200	J, G	35	1900	0.27	250	
MLW1608-56N	56	200	J, G	38	1900	0.31	250	
MLW1608-68N	68	200	J, G	37	1700	0.34	250	
MLW1608-72N	72	150	J, G	34	1700	0.49	250	
MLW1608-82N	82	150	J, G	34	1700	0.54	250	
MLW1608-R10	100	150	J, G	34	1400	0.58	250	
MLW1608-R11	110	150	J, G	32	1350	0.61	250	
MLW1608-R12	120	150	J, G	32	1300	0.75	250	
MLW1608-R15	150	150	J, G	28	990	0.92	250	
MLW1608-R18	180	100	J, G	25	990	1.25	200	
MLW1608-R20	200	100	J, G	25	900	1.98	200	
MLW1608-R21	210	100	J, G	27	895	2.06	200	
MLW1608-R22	220	100	J, G	25	900	2.1	200	
MLW1608-R25	250	100	J, G	25	822	2.3	190	
MLW1608-R27	270	100	J, G	24	520	2.6	170	
MLW1608-R33	330	100	J, G	24	500	3.33	160	
MLW1608-1R0K	1UH	7.9	K, J, G	10	700	0.94	280	

Tolerance : M : ±20%、K : ±10%、J : ±5%、G : ±2%

ENGINEERING DATA

CUSTOMER: _____	PART NO.: <u>MIW1608-10NJ</u>
PART NO.: _____	DATE OF ISSUE: _____
DESCRIPTION: <u>SMD CHIP INDUCTORS(ROHS)</u>	SAMPLE LOT NO.: _____
REV NO.: _____	QTY: <u>10Pcs</u>

MEAS ITEM	L(nH) @250MHZ -20dBm	Q @250MHZ -20dBm	DCR (mΩ)						
SPEC	10	31	130						
TOL+	5%		Max						
TOL-	5%	Min							
1	10.3	44	101						
2	9.70	46	100						
3	9.90	45	102						
4	10.1	46	101						
5	9.80	45	101						
6	10.2	44	102						
7	10.1	45	100						
8	9.80	44	101						
9	10.2	46	102						
10	9.90	45	101						
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REMARK:	1: Agilent4287A(16197A) 2: 温度为 23.5℃ 湿度为 65%
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TEST BY	CHECKED BY	APPROVED BY	

ENGINEERING DATA

CUSTOMER: _____	PART NO.: <u>MLW1608-12NJ</u>
PART NO.: _____	DATE OF ISSUE: _____
DESCRIPTION: <u>SMD CHIP INDUCTORS(ROHS)</u>	SAMPLE LOT NO.: _____
REV NO.: _____	QTY: <u>10Pcs</u>

MEAS ITEM	L(nH) @250MHZ -20dBm	Q @250MHZ -20dBm	DCR (mΩ)					
SPEC	12	35	130					
TOL+	5%		Max					
TOL-	5%	Min						
1	12.2	43	110					
2	11.7	45	108					
3	12.1	44	109					
4	12.3	45	108					
5	12.2	46	111					
6	11.8	45	108					
7	11.6	44	109					
8	11.9	44	107					
9	12.1	46	110					
10	12.4	46	107					
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REMARK:	1: Agilent4287A(16197A) 2: 温度为 23.5℃ 湿度为 65%
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TEST BY	CHECKED BY	APPROVED BY	

ENGINEERING DATA

CUSTOMER: _____	PART NO.: <u>MLW1608-15NJ</u>
PART NO.: _____	DATE OF ISSUE: _____
DESCRIPTION: <u>SMD CHIP INDUCTORS(ROHS)</u>	SAMPLE LOT NO.: _____
REV NO.: _____	QTY: <u>10Pcs</u>

MEAS ITEM	L(nH) @250MHZ -20dBm	Q @250MHZ -20dBm	DCR (mΩ)					
SPEC	15	35	170					
TOL+	5%		Max					
TOL-	5%	Min						
1	15.5	51	141					
2	14.8	49	140					
3	14.7	48	142					
4	15.2	49	141					
5	14.9	50	140					
6	15.4	51	143					
7	15.1	49	139					
8	14.9	48	140					
9	15.3	49	141					
10	15.6	47	140					
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25								

REMARK:	1: Agilent4287A(16197A) 2: 温度为 23.5℃ 湿度为 65%
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TEST BY	CHECKED BY	APPROVED BY	