SPECIFICATION FOR APPROVAL

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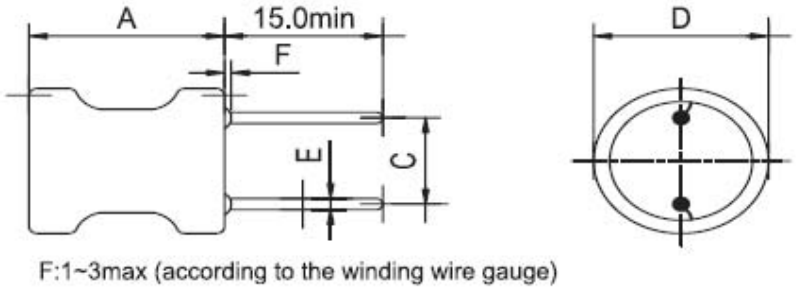
RoHS

PRODUCT DETAIL

Electrical Characteristics			Test Instruments
L	See Page:7-12	TEST FREQ: See Page:7~12	•HP4285A WITH HP42851A Q ADAPTER •CHENHWA 100 LCR METER •CHENHWA 502BC OHM METER •HM9461 L-SRF METER •HP 4284A WITH HP42841A CURRENT SOURCE •HC-D3M TEMP.&HUMIDITY CHAMBER
DCR	See Page:7~12	Ope.Temp.: -20℃~85℃	
R.Current	See Page:7~12		
Q	See Page:7~12		
SRF	See Page:7~12		

SHAPES AND DIMENSIONS：



F:1~3max (according to the winding wire gauge)

P/N	Item /Spec.(mm)			
	A max	C	D max	E ± 0.05
DPK0406	8.0	2.0±0.5	5.5	0.55
DPK0608	11.0	2.0±0.5	7.5	0.65
DPK0707	9.5	5.0±1.0	8.5	0.65
DPK0807	9.5	5.0±1.0	10.0	0.65
DPK0810	13.0	5.0±1.0	10.0	0.65
DPK1010	13.0	5.0±1.0	12.0	0.8
DPK1012	15.0	6.0±1.0	12.0	0.8
DPK1018	21.0	6.0±1.0	12.0	0.8
DPK1213	16.0	7.5±1.0	14.0	0.8

Marking：

RoHS

PART NUMBER CODE

DPK	0810	-	121	M	A	-	UL
1	2		3	4	5		6

1. Series Name
2. Size Code：the first two digitals : length(mm), the last two digitals : width(mm)
3. Inductance: Unit：μH
4. Inductance tolerance: ”M±20%” ”K±10%” ”J±5%”
5. Soldering：A=Lead Free
6. Black UL 125℃ Tube

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PACKAGING QUANTITY

Packaging Quantity										
PART SIZE		DPK 0406	DPK 0608	DPK 0707	DPK 0807	DPK 0810	DPK 1010	DPK 1012	DPK 1018	DPK 1213
Package	Qty. (in Box)	1000	750	X	X	600		500		
	Qty. (in Bag)	X	X	200	100	X		X		

RADIAL LEADED FIXED INDUCTORS

DPK0406 TYPE

Part No.	L @1kHz (uH)	Q min	Q Test Freq.	DCR (Ω) max	SRF (MHz) min	Rated DC Current (mA)max
DPK0406-1R0MA	1.0	100	7.96MHz	0.035	120	2000
DPK0406-1R2MA	1.2	100	7.96MHz	0.058	120	1950
DPK0406-1R5MA	1.5	100	7.96MHz	0.075	120	1900
DPK0406-1R8MA	1.8	100	7.96MHz	0.110	120	1800
DPK0406-2R2MA	2.2	100	7.96MHz	0.120	100	1750
DPK0406-2R7MA	2.7	100	7.96MHz	0.125	80	1680
DPK0406-3R3MA	3.3	100	7.96MHz	0.130	75	1500
DPK0406-3R9MA	3.9	100	7.96MHz	0.135	70	1450
DPK0406-4R7KA	4.7	100	7.96MHz	0.140	50	1320
DPK0406-5R6KA	5.6	100	7.96MHz	0.145	45	1230
DPK0406-6R8KA	6.8	100	7.96MHz	0.15	30	1150
DPK0406-8R2KA	8.2	100	7.96MHz	0.16	22	1100
DPK0406-100KA	10	80	2.52MHz	0.23	20	1000
DPK0406-120KA	12	80	2.52MHz	0.24	17	970
DPK0406-150KA	15	80	2.52MHz	0.25	16	920
DPK0406-180KA	18	80	2.52MHz	0.33	12	860
DPK0406-220KA	22	80	2.52MHz	0.45	10	800
DPK0406-270KA	27	80	2.52MHz	0.50	9.5	710
DPK0406-330KA	33	80	2.52MHz	0.70	8.7	660
DPK0406-390KA	39	70	2.52MHz	0.74	8.2	600
DPK0406-470KA	47	70	2.52MHz	0.76	7.8	550
DPK0406-560KA	56	50	2.52MHz	0.80	7.6	500
DPK0406-680KA	68	50	2.52MHz	0.90	6.8	470
DPK0406-820KA	82	50	2.52MHz	0.95	6.0	430
DPK0406-101KA	100	45	796kHz	1.0	6.0	400
DPK0406-121KA	120	45	796kHz	1.1	5.5	370
DPK0406-151KA	150	65	796kHz	1.3	4.2	350
DPK0406-181KA	180	65	796kHz	1.5	3.6	320
DPK0406-221KA	220	65	796kHz	1.8	2.8	300
DPK0406-271KA	270	50	796kHz	1.9	2.4	275
DPK0406-331KA	330	50	796kHz	2.2	2.2	250
DPK0406-391KA	390	50	796kHz	2.7	2.0	220
DPK0406-471KA	470	50	796kHz	3.6	1.7	200
DPK0406-561KA	560	50	796kHz	4.2	1.5	190
DPK0406-681KA	680	50	796kHz	4.6	1.3	170
DPK0406-821KA	820	50	796kHz	5.7	1.1	155
DPK0406-102KA	1000	90	252kHz	6.7	1.0	150
DPK0406-122KA	1200	90	252kHz	8.2	0.9	140
DPK0406-152KA	1500	80	252kHz	13	0.8	120
DPK0406-182KA	1800	80	252kHz	15	0.8	110
DPK0406-222KA	2200	80	252kHz	17	0.8	100
DPK0406-272KA	2700	80	252kHz	19	0.8	90
DPK0406-332KA	3300	70	252kHz	26	0.7	83
DPK0406-392KA	3900	70	252kHz	30	0.65	76
DPK0406-472KA	4700	65	252kHz	45		70
DPK0406-562KA	5600	65	252kHz	48		62
DPK0406-682KA	6800	65	252kHz	56		56
DPK0406-822KA	8200	65	252kHz	62		52
DPK0406-103KA	10000	45	79.6kHz	72		47
DPK0406-153KA	15000	45	79.6kHz	120		35
DPK0406-223KA	22000	45	79.6kHz	160		24
DPK0406-253KA	25000	45	79.6kHz	180		20

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RADIAL LEADED FIXED INDUCTORS

DPK0608 TYPE

Part No.	L @1kHz (uH)	Q min	Q Test Freq.	DCR (Ω) max	Rated DC Current (mA)max.
DPK0608-3R3KA	3.3	20	7.96MHz	0.016	3500
DPK0608-4R7KA	4.7	20	7.96MHz	0.020	3000
DPK0608-6R8KA	6.8	20	7.96MHz	0.022	2500
DPK0608-100KA	10	30	2.52MHz	0.039	2000
DPK0608-150KA	15	30	2.52MHz	0.045	1700
DPK0608-220KA	22	30	2.52MHz	0.062	1400
DPK0608-330KA	33	30	2.52MHz	0.10	1100
DPK0608-470KA	47	30	2.52MHz	0.15	950
DPK0608-680KA	68	30	2.52MHz	0.22	800
DPK0608-101KA	100	20	796kHz	0.35	650
DPK0608-151KA	150	20	796kHz	0.43	540
DPK0608-221KA	220	20	796kHz	0.90	440
DPK0608-331KA	330	20	796kHz	1.50	360
DPK0608-471KA	470	20	796kHz	1.80	300
DPK0608-681KA	680	20	796kHz	2.50	250
DPK0608-102KA	1000	100	252kHz	3.20	200
DPK0608-122KA	1200	70	252kHz	3.5	180
DPK0608-152KA	1500	70	252kHz	4.5	170
DPK0608-182KA	1800	70	252kHz	5.0	155
DPK0608-222KA	2200	70	252kHz	6.8	140
DPK0608-272KA	2700	70	252kHz	7.2	125
DPK0608-332KA	3300	70	252kHz	10.5	115
DPK0608-392KA	3900	70	252kHz	11.7	105
DPK0608-472KA	4700	70	252kHz	13.6	95
DPK0608-562KA	5600	70	252kHz	16.6	85
DPK0608-682KA	6800	70	252kHz	19.6	80
DPK0608-822KA	8200	70	252kHz	25.2	70
DPK0608-103KA	10000	70	79.6kHz	29.5	65
DPK0608-123KA	12000	70	79.6kHz	33.8	60
DPK0608-153KA	15000	70	79.6kHz	45.4	55
DPK0608-183KA	18000	70	79.6kHz	50.4	50
DPK0608-223KA	22000	70	79.6kHz	80.0	45
DPK0608-303KA	30000	70	79.6kHz	91.5	40
DPK0608-333KA	33000	70	79.6kHz	98.5	35
DPK0608-393KA	39000	70	79.6kHz	140	32
DPK0608-473KA	47000	50	79.6kHz	160	30
DPK0608-503KA	50000	50	79.6kHz	170	29
DPK0608-563KA	56000	50	79.6kHz	250	28
DPK0608-683KA	68000	50	79.6kHz	282	25
DPK0608-823KA	82000	50	79.6kHz	312	23
DPK0608-104KA	100000	30	25.2kHz	380	20
DPK0608-124KA	120000	30	25.2kHz	430	18
DPK0608-154KA	150000	30	25.2kHz	520	16

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RADIAL LEADED FIXED INDUCTORS

DPK0707 TYPE

Part No.	L @1kHz (uH)	Q min	Q Test Freq.	DCR (Ω) max	SRF (MHz) min	Rated Current (A) max	
						I sat	I rms
DPK0707- 1R0M	1.0	10	7.96MHz	0.006	70	6.6	5.0
DPK0707- 1R5M	1.5	10	7.96MHz	0.008	56	5.4	4.3
DPK0707- 2R2M	2.2	10	7.96MHz	0.011	45	4.0	3.7
DPK0707- 3R3M	3.3	10	7.96MHz	0.018	36	3.6	2.9
DPK0707- 4R7M	4.7	10	7.96MHz	0.022	29	3.1	2.6
DPK0707- 6R8M	6.8	10	7.96MHz	0.028	24	2.5	2.3
DPK0707- 100K	10	20	2.52MHz	0.043	19	2.1	1.9
DPK0707- 150K	15	20	2.52MHz	0.056	15	1.7	1.6
DPK0707- 220K	22	20	2.52MHz	0.086	12	1.4	1.3
DPK0707- 330K	33	20	2.52MHz	0.14	9.4	1.1	1.0
DPK0707- 470K	47	20	2.52MHz	0.17	7.6	0.96	0.94
DPK0707- 680K	68	20	2.52MHz	0.28	6.2	0.79	0.73
DPK0707- 101K	100	20	796KHz	0.33	5.0	0.66	0.67
DPK0707- 151K	150	20	796KHz	0.56	4.0	0.53	0.52
DPK0707- 221K	220	20	796KHz	0.71	3.2	0.44	0.46
DPK0707- 331K	330	20	796KHz	1.10	2.5	0.36	0.37
DPK0707- 471K	470	20	796KHz	1.70	2.0	0.30	0.30
DPK0707- 681K	680	20	796KHz	2.30	1.7	0.25	0.26
DPK0707- 102K	1000	70	252KHz	4.30	1.3	0.20	0.19
DPK0707- 152K	1500	50	252KHz	5.00	1.3	0.17	0.16

RADIAL LEADED FIXED INDUCTORS

DPK0807 TYPE

Part No.	L @1kHz (uH)	Q min	Q Test Freq.	DCR (Ω) max	SRF (MHz) min	Rated Current (A) max	
						I sat	I rms
DPK0807- 2R2M	2.2	10	7.96MHz	0.011	60	5.5	4.0
DPK0807- 3R3M	3.3	10	7.96MHz	0.013	38	3.8	3.4
DPK0807- 4R7M	4.7	10	7.96MHz	0.017	30	3.7	3.0
DPK0807- 6R8M	6.8	10	7.96MHz	0.023	24	2.8	2.6
DPK0807- 100K	10	20	2.52MHz	0.031	19	2.5	2.2
DPK0807- 150K	15	20	2.52MHz	0.042	15	2.0	1.9
DPK0807- 220K	22	20	2.52MHz	0.070	12	1.6	1.5
DPK0807- 330K	33	20	2.52MHz	0.092	10	1.3	1.2
DPK0807- 470K	47	20	2.52MHz	0.130	8.2	1.1	1.0
DPK0807- 680K	68	20	2.52MHz	0.160	6.6	0.91	0.97
DPK0807- 101K	100	15	796KHz	0.230	5.4	0.75	0.81
DPK0807- 151K	150	15	796KHz	0.400	4.3	0.61	0.61
DPK0807- 221K	220	15	796KHz	0.530	3.5	0.50	0.53
DPK0807- 331K	330	15	796KHz	0.780	2.8	0.41	0.44
DPK0807- 471K	470	10	796KHz	1.0	2.3	0.34	0.39
DPK0807- 681K	680	10	796KHz	1.5	1.9	0.28	0.32
DPK0807- 102K	1000	20	252KHz	2.2	1.5	0.23	0.26
DPK0807- 152K	1500	30	252KHz	3.5	1.2	0.19	0.21

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RADIAL LEADED FIXED INDUCTORS

DPK0810 TYPE

Part No.	L @1kHz (uH)	Q min	Q Test Freq.	DCR (Ω) max	SRF (MHz) min	Rated DC Current (mA)max
DPK0810-3R3M- □□	3.3	30	7.96MHz	0.012	65	5000
DPK0810-3R9K- □□	3.9	30	7.96MHz	0.014	55	4600
DPK0810-4R7K- □□	4.7	30	7.96MHz	0.016	45	4300
DPK0810-5R6K- □□	5.6	30	7.96MHz	0.020	38	3900
DPK0810-6R8K- □□	6.8	30	7.96MHz	0.022	27	3700
DPK0810-8R2K- □□	8.2	30	7.96MHz	0.024	21	3500
DPK0810-100K- □□	10	50	2.52MHz	0.025	17	3200
DPK0810-120K- □□	12	50	2.52MHz	0.027	15	3000
DPK0810-150K- □□	15	50	2.52MHz	0.033	13	2800
DPK0810-180K- □□	18	50	2.52MHz	0.039	12	2600
DPK0810-220K- □□	22	50	2.52MHz	0.047	11	2400
DPK0810-270K- □□	27	50	2.52MHz	0.052	10	2100
DPK0810-330K- □□	33	50	2.52MHz	0.075	8.5	1900
DPK0810-390K- □□	39	40	2.52MHz	0.082	7.7	1700
DPK0810-470K- □□	47	40	2.52MHz	0.10	6.7	1500
DPK0810-560K- □□	56	40	2.52MHz	0.15	6.4	1300
DPK0810-680K- □□	68	30	2.52MHz	0.18	5.8	1200
DPK0810-820K- □□	82	30	2.52MHz	0.20	5.2	1100
DPK0810-101K- □□	100	30	796kHz	0.20	4.4	900
DPK0810-121K- □□	120	30	796kHz	0.22	4.2	800
DPK0810-151K- □□	150	30	796kHz	0.24	3.7	720
DPK0810-181K- □□	180	30	796kHz	0.28	3.5	650
DPK0810-221K- □□	220	20	796kHz	0.35	3.3	600
DPK0810-271K- □□	270	20	796kHz	0.40	2.9	550
DPK0810-331K- □□	330	20	796kHz	0.47	2.6	500
DPK0810-391K- □□	390	20	796kHz	0.68	2.4	460
DPK0810-471K- □□	470	20	796kHz	0.80	2.2	420
DPK0810-561K- □□	560	20	796kHz	1.0	2.0	380
DPK0810-681K- □□	680	20	796kHz	1.2	1.8	350
DPK0810-821K- □□	820	20	796kHz	1.5	1.7	310
DPK0810-102K- □□	1000	40	252kHz	1.8	1.5	280
DPK0810-122K- □□	1200	40	252kHz	2.0	1.4	250
DPK0810-152K- □□	1500	40	252kHz	2.4	1.3	230
DPK0810-182K- □□	1800	40	252kHz	2.8	1.1	210
DPK0810-222K- □□	2200	40	252kHz	3.3	1	190
DPK0810-272K- □□	2700	40	252kHz	5.0	0.88	170
DPK0810-332K- □□	3300	40	252kHz	5.6	0.78	150
DPK0810-392K- □□	3900	40	252kHz	6.2	0.72	140
DPK0810-472K- □□	4700	40	252kHz	7.0	0.65	130
DPK0810-562K- □□	5600	40	252kHz	9.1	0.58	120
DPK0810-682K- □□	6800	40	252kHz	10	0.55	110
DPK0810-822K- □□	8200	20	252kHz	15	0.5	100
DPK0810-103K- □□	10000	20	79.6kHz	24	0.42	90
DPK0810-473K- □□	47000	60	79.6kHz	80	0.2	40
DPK0810-104K- □□	100000	20	79.6kHz	180	0.14	28

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RADIAL LEADED FIXED INDUCTORS

DPK1010 TYPE

Part No.	L @1kHz (uH)	Q min	Q Test Freq.	DCR (Ω) max	SRF (MHz) min	Rated Current (A) max	
						I sat	I rms
DPK1010-3R3MA	3.3	10	7.96MHz	0.010	36	8.8	5.9
DPK1010-4R7MA	4.7	10	7.96MHz	0.015	28	7.2	4.8
DPK1010-6R8MA	6.8	10	7.96MHz	0.016	18	6.1	4.6
DPK1010-100MA	10	20	2.52MHz	0.025	16	5.0	3.7
DPK1010-150KA	15	20	2.52MHz	0.029	12	4.2	3.4
DPK1010-220KA	22	20	2.52MHz	0.040	9.5	3.4	2.9
DPK1010-330KA	33	30	2.52MHz	0.062	7.0	2.8	2.3
DPK1010-470KA	47	30	2.52MHz	0.075	5.8	2.3	2.1
DPK1010-680KA	68	20	2.52MHz	0.13	4.7	1.9	1.6
DPK1010-101KA	100	20	796KHz	0.16	3.8	1.6	1.4
DPK1010-151KA	150	20	796KHz	0.26	3.1	1.3	1.1
DPK1010-221KA	220	20	796KHz	0.33	2.5	1.1	1.0
DPK1010-331KA	330	20	796KHz	0.52	2.0	0.88	0.82
DPK1010-471KA	470	10	796KHz	0.66	1.6	0.75	0.72
DPK1010-681KA	680	10	796KHz	1.1	1.3	0.61	0.56
DPK1010-102KA	1000	20	252KHz	1.4	1.1	0.51	0.50
DPK1010-152KA	1500	30	252KHz	2.4	0.82	0.43	0.38
DPK1010-222KA	2200	20	252KHz	3.2	0.76	0.35	0.33
DPK1010-332KA	3300	30	252KHz	4.9	0.64	0.28	0.26
DPK1010-472KA	4700	30	252KHz	7.6	0.54	0.24	0.21
DPK1010-682KA	6800	30	252KHz	9.8	0.45	0.20	0.18
DPK1010-103KA	10000	30	79.6KHz	18	0.38	0.17	0.14
DPK1010-153KA	15000	50	79.6KHz	24	0.29	0.13	0.12

RADIAL LEADED FIXED INDUCTORS

DPK1012 TYPE

Part No.	L @1kHz (uH)	Q min	Q Test Freq.	DCR (Ω) max	SRF (MHz) min	Rated Current (A) max	
						I sat	I rms
DPK1012-103KA	10000	100	79.6KHz	12	0.35	0.18	0.17
DPK1012-123KA	12000	100	79.6KHz	13	0.31	0.16	0.16
DPK1012-153KA	15000	100	79.6KHz	18	0.28	0.14	0.14
DPK1012-183KA	18000	80	79.6KHz	25	0.26	0.13	0.12
DPK1012-223KA	22000	80	79.6KHz	30	0.22	0.12	0.11
DPK1012-273KA	27000	80	79.6KHz	35	0.20	0.11	0.10
DPK1012-333KA	33000	60	79.6KHz	40	0.19	0.10	0.090
DPK1012-393KA	39000	60	79.6KHz	50	0.17	0.090	0.080
DPK1012-473KA	47000	60	79.6KHz	50	0.15	0.080	0.075
DPK1012-563KA	56000	40	79.6KHz	65	0.13	0.075	0.070
DPK1012-683KA	68000	40	79.6KHz	70	0.12	0.070	0.065
DPK1012-823KA	82000	30	79.6KHz	100	0.10	0.060	0.055
DPK1012-104KA	100000	30	79.6KHz	135	0.10	0.055	0.045

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RADIAL LEADED FIXED INDUCTORS

DPK1018/1213 TYPE

Part No.	L @1kHz (uH)	DCR (Ω) Max.	Rated Current (A) max	
			I sat	I rms
DPK1018-4R7KA	4.7	0.008	10.0	6.0
DPK1018-6R8KA	6.8	0.011	8.0	5.5
DPK1018-100KA	10	0.017	7.0	4.5
DPK1018-150KA	15	0.022	5.5	4.0
DPK1018-220KA	22	0.026	4.5	3.7
DPK1018-330KA	33	0.032	3.8	3.3
DPK1018-470KA	47	0.035	3.2	3.0
DPK1018-680KA	68	0.047	2.6	2.6
DPK1018-101KA	100	0.090	2.2	2.0
DPK1018-151KA	150	0.129	1.8	1.6
DPK1018-221KA	220	0.162	1.5	1.5
DPK1018-331KA	330	0.212	1.2	1.2
DPK1018-471KA	470	0.380	1.00	1.0
DPK1018-681KA	680	0.548	0.84	0.84
DPK1018-102KA	1000	0.844	0.66	0.66
DPK1018-152KA	1500	1.18	0.55	0.55
DPK1018-222KA	2200	2.00	0.46	0.44
DPK1018-332KA	3300	2.53	0.38	0.38
DPK1018-472KA	4700	3.19	0.32	0.32
DPK1018-682KA	6800	5.69	0.26	0.25
DPK1018-103KA	10000	7.30	0.22	0.22
DPK1018-153KA	15000	10.5	0.18	0.18
DPK1018-223KA	22000	21.8	0.14	0.13
DPK1018-333KA	33000	25.7	0.12	0.12
DPK1018-473KA	47000	36.1	0.10	0.10
DPK1018-683KA	68000	57.3	0.08	0.08
DPK1018-104KA	100000	89.7	0.06	0.06

DPK1213-100MA	10	0.023	8.0	5.1
DPK1213-150KA	15	0.028	6.5	4.5
DPK1213-220KA	22	0.035	5.5	4.2
DPK1213-330KA	33	0.043	4.5	3.7
DPK1213-470KA	47	0.052	3.6	3.4
DPK1213-680KA	68	0.068	3.1	3.0
DPK1213-101KA	100	0.097	2.6	2.5
DPK1213-151KA	150	0.14	2.1	2.1
DPK1213-221KA	220	0.20	1.7	1.7
DPK1213-331KA	330	0.30	1.4	1.4
DPK1213-471KA	470	0.43	1.10	1.1
DPK1213-681KA	680	0.61	0.95	0.99
DPK1213-102KA	1000	1.00	0.78	0.78
DPK1213-152KA	1500	1.30	0.64	0.68
DPK1213-222KA	2200	2.00	0.53	0.55
DPK1213-332KA	3300	3.10	0.43	0.44
DPK1213-472KA	4700	4.40	0.36	0.37
DPK1213-682KA	6800	6.50	0.30	0.30
DPK1213-103KA	10000	10.0	0.24	0.24

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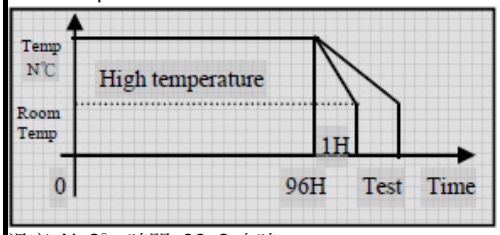
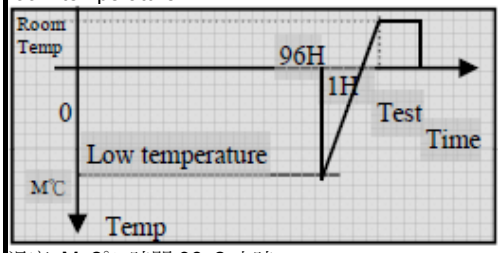
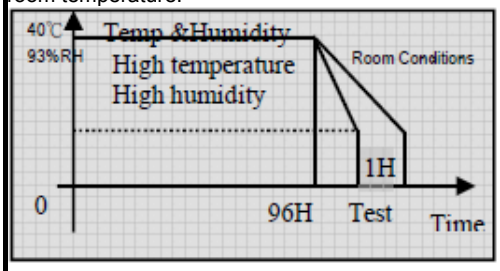
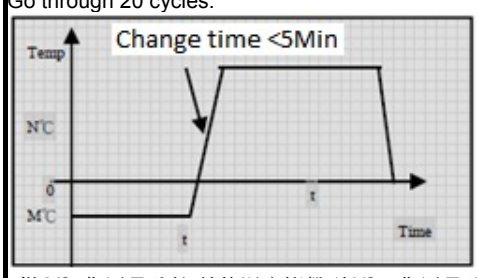
RELIABILITY AND TEST CONDITION

Environmental tests conditions (DIP wire wound Inductor)

Item (項目)	Required Characteristics (要求)	Test Method/Condition (測試方法)
High temperature Storage test Reference documents: MIL-STD-202G Method 108A 高溫儲存試驗	1.No case deformation or change in appearance. 2.ΔL/L≦10% 3.ΔDCR/DCR≦10% N：The High temperature, depend on the spec. N：高溫設定，依據產品規格設定 1.無明顯的外觀缺陷 2.感值變化不超過 10% 3.直流電阻變化不超過 10%	Temperature: N±2℃ Time : 96±2 hours Tested not less than 1 hour, nor more than 2 hours at room temperature.  溫度: N±2℃,時間: 96±2,小時 樣品在室溫下放置 1 小時,不超過 2 小時間必須測試.
Low temperature Storage test Reference documents: IEC 68-2-1A 6.1 6.2 低溫儲存試驗	1.No case deformation or change in appearance. 2.ΔL/L≦10% 3.ΔDCR/DCR≦10% M：The Low temperature, depend on the spec. M：低溫設定，依據產品規格設定 1.無明顯的外觀缺陷 2.感值變化不超過 10% 3.直流電阻變化不超過 10%	Temperature: M±2℃ Time : 96±2 hours Tested not less than 1 hour, nor more than 2 hours at room temperature.  溫度: M±2℃,時間:96±2,小時 樣品在室溫下放置 1 小時,不超過 2 小時間必須測試.
Humidity test Reference documents: MIL-STD-202G Method 103B 濕度測試	1.No case deformation or change in appearance. 2.ΔL/L≦10% 3.ΔDCR/DCR≦10% 1.無明顯的外觀缺陷 2.感值變化不超過 10% 3.直流電阻變化不超過 10%	Temperature: 40±2℃ , Humidity: 93±3%RH Time : 96±2 hours Tested not less than 1 hour, nor more than 2 hours at room temperature.  溫度:40±2℃， 濕度: 93±3%RH 時間 :96±2 hours 樣品在室溫下放置 1 小時,不超過 2 小時間必須測試.
Thermal shock test Reference documents: MIL-STD-202G Method 107G 熱衝擊測試	1.No case deformation or change in appearance. 2.ΔL/L≦10% 3.ΔDCR/DCR≦10% N：The High temperature, depend on the spec. M：The Low temperature, depend on the spec. For T: weight≦28g : 15Min; 28g≦weight≦136g : 30Min 1.無明顯的外觀缺陷 2.感值變化小於 10% 3.直流電阻變化小於 10%	First M℃ for T time, next N℃ for T time as 1 cycle. Go through 20 cycles.  從 M℃作用 T 分鐘,然後溫度衝擊到 N℃ 作用 T 分鐘, 作為一個循環,共作用 20 次.

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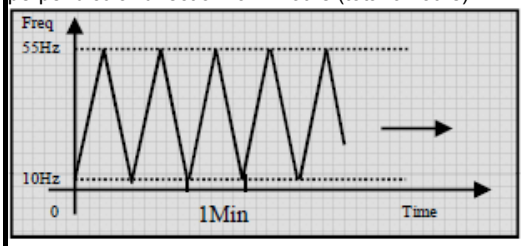
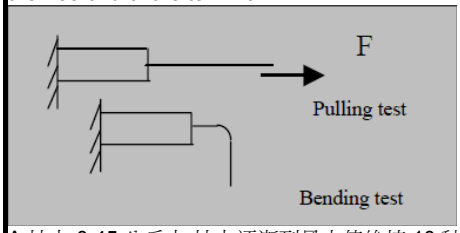
Physical characteristic tests conditions (DIP wire wound Inductor)

Item (項目)	Required Characteristics (要求)	Test Method/Condition (測試方法)
Solderability test Reference documents: MIL-STD-202G Method 208H IPC J-STD-002B 可焊性測試	Terminals area must have 95% min. Solder coverage 端子必須有 95%以上著錫	● Dip pads in flux then dip in solder pot at 245±5°C for 5 second. ● Soler: lead free ● Flux: rosin flux ● 端子侵入著焊劑，然後侵入 245±5°C 錫爐中 5 秒 ● 焊料 ：無鉛焊料 ● 助焊劑: 松香助焊劑
Heat endurance of flow soldering Reference documents: MIL-STD-202G Method 210F 波峰焊耐熱試驗	● No case deformation or change in appearance. ● ΔL/L≦10% ● ΔDCR/DCR≦10% ● 無明顯的外觀缺陷 ● 感值變化不超過 10% ● 直流電阻變化不超過 10%	● Dip pads in flux then dip in solder pot at 260±5°C for 10 second. ● Soler: lead free ● Flux: rosin flux ● 端子侵入著焊劑，然後侵入 260±5°C 錫爐中 10 秒 ● 焊料 ：無鉛焊料 ● 助焊劑: 松香助焊劑
Vibration test Reference documents: MIL-STD-202G Method 201A 振動測試	● No case deformation or change in appearance. ● ΔL/L≦10% ● ΔDCR/DCR≦10% ● 無明顯的外觀缺陷 ● 感值變化不超過 10% ● 直流電阻變化不超過 10%	Apply frequency 10~55Hz. 1.5mm amplitude in each of perpendicular direction for 2 hours.(total 6 hours)  用 10~55Hz 振動頻率 1.5mm 振幅沿 X,Y,Z 方向各振動 2 小時.(共 6 小時)
Drop test Reference documents: MIL-STD-202G Method 203C 落下試驗	● No case deformation or change in appearance. ● ΔL/L≦10% ● ΔDCR/DCR≦10% ● 無明顯的外觀缺陷 ● 感值變化不超過 10% ● 直流電阻變化不超過 10%	Packaged & Drop down from 1m with 981m/s^2(100G) attitude In 1 angle 1 ridges & 2 surfaces orientations. 將產品包裝後從 1 米高度自然落下至試驗板上 1 角 1 棱 2 面
Terminal strength Reference documents: IEC 68-2-21:1992 Test A & C 端子強度試驗	1.Terminal should not come out 2.Meet require test condition A&C For: Wire-leaded components-Test A&C For: Others leaded components-Test A 1.端子不會松脫 2.滿足要求的測試條件 A&C	A Pull Force:0.45kg;the force shall be applied gradually to the terminal and then maintained for 10 seconds. C. Wire-lead bend:0.23kg,The rate of bending shall be approximately 3 seconds per bend in each direction. The load shall be suspended at a point within 1/4 inch from the free end of the terminal.  A.拉力:0.45 公斤力,拉力逐漸到最大值維持 10 秒. C.線腳彎曲:0.23 公斤力,每個方向彎曲 3 次.負載應該加在離端子末端 1/4 英寸處
Resistance to solvent test Reference documents: IEC 68-2-45:1993 耐溶劑性試驗	No case deformation or change in appearance, or obliteration of marking 無外觀破壞及標記破損	To dip parts into IPA solvent for 5±0.5Min, then drying them at room temp for 5Min,at last ,to brushing making 10 times. 在 IPA 溶劑中浸泡 5±0.5 分鐘,室溫下乾燥 5 分鐘,然後擦拭 10 次.

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Electrical Characteristic test (DIP wire wound Inductor)

Item (項目)	Required Characteristics(要求)	Test Method / Condition (測試方法)
Electronic characteristic test of major products 主要產品電特性測試	Refer to catalogue of specific products 參照具體產品目錄頁	Refer to catalogue of specific products 參照具體產品目錄頁書
Overload test Reference documents: JIS C5311-6.13 過負荷試驗	1.During the test no smoke, no peculiar, smell, no fire 2.The characteristic is normal after test 1.試驗過程中無冒煙,異味,著火等, 2.試驗後產品特性正常	Apply twice as rated current for 5 minutes. 通兩倍額定電流 5 分鐘
Voltage resistance test Reference documents: MIL-STD-202G method 301 絕緣耐壓測試	1. During the test no breakdown 2. The characteristic is normal after test 1.試驗過程中無擊穿, 2.試驗後產品特性正常	Refer to product's specification 參照產品的具體規格

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