

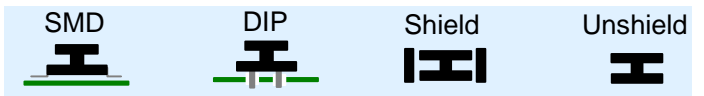


Product Series Code	GTW	Brand	GOTREND
File Version	GTW-V3R6	Editor	Teddy
Established Date	2000.09.28	Description	Ferrite Core Wound Molding Inductor
Latest Edit Date	2017.10.29	Pages	Page : 2

Features & Application:

- * Molding Wound Chip Inductor
- * Fit for power line & signal line circuit
- * To help you go pass the CE/FCC standard.
- * Mobile Device / Handheld Device / LowProfile Device / Panel...

Product Structure



2005 RoHS Compliant - SGS Certified Result

鉛 Pb	鎘 Cd	汞 Hg	六價鉻 Cr+6	溴化聯苯 PBB	溴化聯苯醚 PBDE
<1000ppm	ND	ND	ND	ND	ND

Part No Example:

GTW 2520 F P - 6R8 J

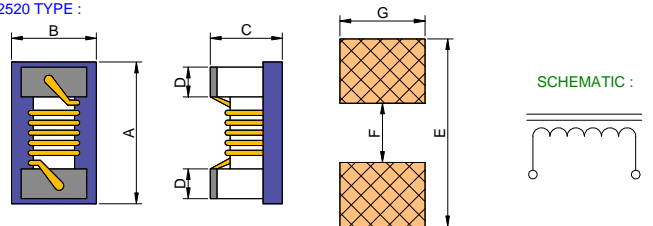
1 2 3 4 5 6

1. GOTREND SERIES : GTW
2. Dimension Code: 2520 [2.5 x 2.0 mm]
3. F : Special molding Type
4. P=Pb free <1000ppm
5. [L] Value : Inductance 6R8=6.8uH
6. Tolerance: J=5%, K=10%,

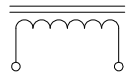
DIMENSION : [mm]

Recommend Pad Layout [mm]

2520 TYPE :

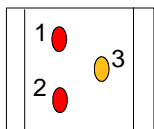


SCHEMATIC :



TYPE	A [+/0.3]	B [+/0.3]	C [+/0.3]	D [+/0.15]	E [Ref.]	F [Ref.]	G [Ref.]
2520	2.70	2.50	2.00	0.50	3.30	1.25	2.60

2520 SIZE - Marking Expression:



0 1 2 3 4 5 6 7 8 9
黑 棕 紅 橙 黃 綠 藍 紫 灰 白

料號色碼依下列算法計之.....

For inductance meaning:

[(1st dot x10)+2 nd dot]x10 3 rd dot=nH

for example:

GTH-2520S-220J Color Dot=紅 1st 紅 2nd 橙 3rd

Inductance= [(紅 2) x 10 + (紅 2)] x (橙)10x100

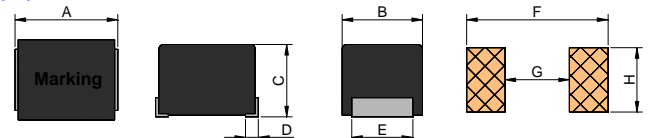
=22x1000=22000nH

22000 ÷ 1000 = 22uH

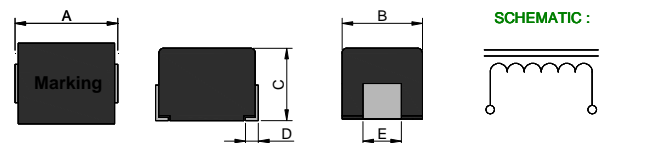
DIMENSION : [mm]

Recommend Pad Layout [mm]

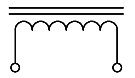
3225 TYPE :



2520F / 4532 TYPE :



SCHEMATIC :



TYPE	A [+/0.3]	B [+/0.3]	C [+/0.3]	D [+/0.2]	E [+/0.1]	F [Ref.]	G [Ref.]	H [Ref.]
2520F	2.50	2.00	1.80	0.40	1.20	3.50	1.50	1.50
3225	3.20	2.50	2.20	0.20Min.	1.90	3.50	1.00	3.00
4532	4.50	3.20	3.20	1.00	1.20	5.50	2.00	4.00



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Test Equipment :

- * HP4284A, HP42841A- L, IDC, Q, RDC
- * HP8753D NETWORK ANALYZER- SRF

Standard Atmospheric Conditions:

Ambient Temp: 20±15°C

Relative Humidity: 65±20%

If there may be any doubt on the result, measurement shall be made within the following limits:

Ambient Temp: 25±5°C

Relative Humidity: 75±10%

SCHEMATIC:



Operating & Storage Condition:

OPERATING TEMP: -40~+85°C

STORAGE TEMP: -40~+85°C

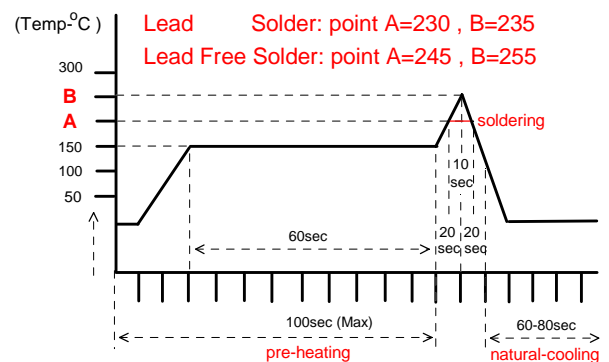
STORAGE LIFE TIME: 12 MONTH @25°C, RH 65%

Attention & Caution:

Please avoid following matters:

- * Splashing water or salt water
- * Toxic Gas (Hydrogen sulfide, Sulfurous acid, Chlorine, Ammonia)
- * Vibrations or shocks which exceed the specified condition
- * Dew condenses
- * Please be careful for the stress to this product by board flexure or something after the mounting.

Recommand Reflow Curve (TIME:Second)



Notice: Iron Soldering: 3 Seconds Max. @260°C



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Part No.	L - Value (uH)	Tolerance of L.value J=5%,K=10%	Q value (min)	L&Q Test Freq. (MHz)	S.R.F (MHz) (min)	DCR (Ohm) (max)	IDC (mA) (max)
GTW2520P-5N0 <input type="checkbox"/>	0.005	K	10	100	3000	0.25	2000
GTW2520P-10N <input type="checkbox"/>	0.010	K	10	100	2500	0.25	1800
GTW2520P-12N <input type="checkbox"/>	0.012	K	15	100	2400	0.26	1700
GTW2520P-15N <input type="checkbox"/>	0.015	K	15	100	2300	0.28	1600
GTW2520P-18N <input type="checkbox"/>	0.018	K	15	100	2200	0.30	1550
GTW2520P-22N <input type="checkbox"/>	0.022	J,K	20	100	2100	0.35	1500
GTW2520P-27N <input type="checkbox"/>	0.027	J,K	20	100	2000	0.40	1450
GTW2520P-33N <input type="checkbox"/>	0.033	J,K	30	100	1600	0.42	1400
GTW2520P-39N <input type="checkbox"/>	0.039	J,K	35	100	1500	0.45	1350
GTW2520P-47N <input type="checkbox"/>	0.047	J,K	35	100	1400	0.50	1300
GTW2520P-56N <input type="checkbox"/>	0.056	J,K	35	100	1300	0.60	1250
GTW2520P-68N <input type="checkbox"/>	0.068	J,K	35	100	1200	0.65	1240
GTW2520P-82N <input type="checkbox"/>	0.082	J,K	35	100	1100	0.75	1230
GTW2520P-R10 <input type="checkbox"/>	0.100	J,K	35	100	800	0.80	1220
GTW2520P-R12 <input type="checkbox"/>	0.120	J,K	30	25.2	700	0.30	900
GTW2520P-R15 <input type="checkbox"/>	0.150	J,K	30	25.2	550	0.35	900
GTW2520P-R18 <input type="checkbox"/>	0.180	J,K	30	25.2	500	0.40	850
GTW2520P-R22 <input type="checkbox"/>	0.220	J,K	30	25.2	450	0.50	840
GTW2520P-R27 <input type="checkbox"/>	0.270	J,K	30	25.2	425	0.55	830
GTW2520P-R33 <input type="checkbox"/>	0.330	J,K	30	25.2	400	0.60	820
GTW2520P-R39 <input type="checkbox"/>	0.390	J,K	30	25.2	375	0.65	810
GTW2520P-R47 <input type="checkbox"/>	0.470	J,K	30	25.2	350	0.68	800
GTW2520P-R56 <input type="checkbox"/>	0.560	J,K	30	25.2	325	0.75	800
GTW2520P-R68 <input type="checkbox"/>	0.680	J,K	30	25.2	300	0.85	800
GTW2520P-R82 <input type="checkbox"/>	0.820	J,K	30	25.2	260	1.00	800
GTW2520P-1R0 <input type="checkbox"/>	1.000	J,K	25	7.96	245	1.10	800
GTW2520P-1R2 <input type="checkbox"/>	1.200	J,K	25	7.96	230	1.20	790
GTW2520P-1R5 <input type="checkbox"/>	1.500	J,K	25	7.96	182	1.30	750
GTW2520P-1R8 <input type="checkbox"/>	1.800	J,K	25	7.96	135	1.45	750
GTW2520P-2R2 <input type="checkbox"/>	2.200	J,K	25	7.96	105	1.55	750
GTW2520P-2R7 <input type="checkbox"/>	2.700	J,K	25	7.96	70	1.70	740
GTW2520P-3R3 <input type="checkbox"/>	3.300	J,K	25	7.96	55	1.90	730
GTW2520P-3R9 <input type="checkbox"/>	3.900	J,K	25	7.96	48	2.10	700
GTW2520P-4R7 <input type="checkbox"/>	4.700	J,K	25	7.96	43	2.30	650
GTW2520P-5R6 <input type="checkbox"/>	5.600	J,K	20	7.96	42	2.50	640
GTW2520P-6R8 <input type="checkbox"/>	6.800	J,K	20	7.96	39	2.70	630
GTW2520P-8R2 <input type="checkbox"/>	8.200	J,K	20	7.96	36	3.05	600
GTW2520P-100 <input type="checkbox"/>	10.000	J,K	15	2.52	33	3.50	680
GTW2520P-120 <input type="checkbox"/>	12.000	J,K	15	2.52	30	3.80	650
GTW2520P-150 <input type="checkbox"/>	15.000	J,K	15	2.52	26	4.40	500
GTW2520P-180 <input type="checkbox"/>	18.000	J,K	15	2.52	24	4.80	450
GTW2520P-220 <input type="checkbox"/>	22.000	J,K	15	2.52	22	5.50	450
GTW2520P-270 <input type="checkbox"/>	27.000	J,K	15	2.52	21	6.30	430
GTW2520P-330 <input type="checkbox"/>	33.000	J,K	15	2.52	20	7.10	380
GTW2520P-390 <input type="checkbox"/>	39.000	J,K	10	2.52	18	9.50	330
GTW2520P-470 <input type="checkbox"/>	47.000	J,K	10	2.52	17	11.10	300
GTW2520P-560 <input type="checkbox"/>	56.000	J,K	10	2.52	16	12.10	270
GTW2520P-680 <input type="checkbox"/>	68.000	J,K	10	2.52	15	16.60	250
GTW2520P-820 <input type="checkbox"/>	82.000	J,K	10	2.52	13	19.00	200
GTW2520P-101 <input type="checkbox"/>	100.000	J,K	8	0.796	12	21.00	120



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Part No.	L - Value (uH)	Tolerance of L.value J=5%,K=10%	Q value (min)	L&Q Test Freq. (MHz)	S.R.F (MHz) (min)	DCR (Ohm) (max)	IDC (mA) (max)
GTW2520FP-R22 <input type="checkbox"/>	0.220	J,K	25	25.2	230	0.50	430
GTW2520FP-R27 <input type="checkbox"/>	0.220	J,K	25	25.2	210	0.55	420
GTW2520FP-R33 <input type="checkbox"/>	0.330	J,K	25	25.2	190	0.60	400
GTW2520FP-R39 <input type="checkbox"/>	0.390	J,K	25	25.2	175	0.65	375
GTW2520FP-R47 <input type="checkbox"/>	0.470	J,K	25	25.2	160	0.68	350
GTW2520FP-R56 <input type="checkbox"/>	0.560	J,K	25	25.2	150	0.75	325
GTW2520FP-R68 <input type="checkbox"/>	0.680	J,K	25	25.2	135	0.85	300
GTW2520FP-R82 <input type="checkbox"/>	0.820	J,K	25	25.2	125	1.00	260
GTW2520FP-1R0 <input type="checkbox"/>	1.000	J,K	30	7.96	115	1.10	245
GTW2520FP-1R2 <input type="checkbox"/>	1.200	J,K	30	7.96	100	1.20	230
GTW2520FP-1R5 <input type="checkbox"/>	1.500	J,K	30	7.96	90	1.30	220
GTW2520FP-1R8 <input type="checkbox"/>	1.800	J,K	30	7.96	85	1.45	210
GTW2520FP-2R2 <input type="checkbox"/>	2.200	J,K	30	7.96	75	1.55	200
GTW2520FP-2R7 <input type="checkbox"/>	2.700	J,K	30	7.96	55	1.70	195
GTW2520FP-3R3 <input type="checkbox"/>	3.300	J,K	30	7.96	48	1.90	185
GTW2520FP-3R9 <input type="checkbox"/>	3.900	J,K	30	7.96	43	2.10	180
GTW2520FP-4R7 <input type="checkbox"/>	4.700	J,K	30	7.96	40	2.30	175
GTW2520FP-5R6 <input type="checkbox"/>	5.600	J,K	25	7.96	36	2.50	170
GTW2520FP-6R8 <input type="checkbox"/>	6.800	J,K	25	7.96	33	2.70	165
GTW2520FP-8R2 <input type="checkbox"/>	8.200	J,K	25	7.96	30	3.05	160
GTW2520FP-100 <input type="checkbox"/>	10.000	J,K	25	2.52	27	3.50	155
GTW2520FP-120 <input type="checkbox"/>	12.000	J,K	25	2.52	23	3.80	150
GTW2520FP-150 <input type="checkbox"/>	15.000	J,K	25	2.52	20	4.40	140
GTW2520FP-180 <input type="checkbox"/>	18.000	J,K	25	2.52	18	4.80	130
GTW2520FP-220 <input type="checkbox"/>	22.000	J,K	25	2.52	17	5.50	125
GTW2520FP-270 <input type="checkbox"/>	27.000	J,K	25	2.52	16	6.30	115
GTW2520FP-330 <input type="checkbox"/>	33.000	J,K	25	2.52	15	7.10	110
GTW2520FP-390 <input type="checkbox"/>	39.000	J,K	20	2.52	14	9.50	90
GTW2520FP-470 <input type="checkbox"/>	47.000	J,K	20	2.52	13	11.00	80
GTW2520FP-560 <input type="checkbox"/>	56.000	J,K	20	2.52	12	12.10	75
GTW2520FP-680 <input type="checkbox"/>	68.000	J,K	20	2.52	11	16.60	70
GTW2520FP-820 <input type="checkbox"/>	82.000	J,K	20	2.52	10	19.00	66
GTW2520FP-101 <input type="checkbox"/>	100.000	J,K	15	0.796	9	21.00	60



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GTW3225P-R12 <input type="checkbox"/>	0.12	J,K	30	25.200	500	0.22	450
GTW3225P-R22 <input type="checkbox"/>	0.22	J,K	30	25.200	350	0.32	450
GTW3225P-R33 <input type="checkbox"/>	0.33	J,K	30	25.200	300	0.40	450
GTW3225P-R39 <input type="checkbox"/>	0.39	J,K	30	25.200	250	0.45	450
GTW3225P-R47 <input type="checkbox"/>	0.47	J,K	30	25.200	250	0.50	450
GTW3225P-R56 <input type="checkbox"/>	0.56	J,K	30	25.200	180	0.55	450
GTW3225P-R68 <input type="checkbox"/>	0.68	J,K	30	25.200	160	0.60	450
GTW3225P-R82 <input type="checkbox"/>	0.82	J,K	30	25.200	140	0.65	450
GTW3225P-1R0 <input type="checkbox"/>	1.00	J,K	30	7.960	120	0.70	400
GTW3225P-1R2 <input type="checkbox"/>	1.20	J,K	30	7.960	100	0.75	390
GTW3225P-1R5 <input type="checkbox"/>	1.50	J,K	30	7.960	85	0.85	370
GTW3225P-1R8 <input type="checkbox"/>	1.80	J,K	30	7.960	80	0.90	350
GTW3225P-2R2 <input type="checkbox"/>	2.20	J,K	30	7.960	75	1.00	320
GTW3225P-2R7 <input type="checkbox"/>	2.70	J,K	30	7.960	70	1.10	290
GTW3225P-3R3 <input type="checkbox"/>	3.30	J,K	30	7.960	60	1.20	260
GTW3225P-3R9 <input type="checkbox"/>	3.90	J,K	30	7.960	55	1.30	250
GTW3225P-4R7 <input type="checkbox"/>	4.70	J,K	30	7.960	50	1.50	220
GTW3225P-5R6 <input type="checkbox"/>	5.60	J,K	30	7.960	45	1.60	200
GTW3225P-6R8 <input type="checkbox"/>	6.80	J,K	30	7.960	40	1.80	180
GTW3225P-8R2 <input type="checkbox"/>	8.20	J,K	30	7.960	35	2.00	170
GTW3225P-100 <input type="checkbox"/>	10.00	J,K	30	2.520	30	2.10	150
GTW3225P-120 <input type="checkbox"/>	12.00	J,K	30	2.520	20	2.50	140
GTW3225P-150 <input type="checkbox"/>	15.00	J,K	30	2.520	20	2.80	130
GTW3225P-180 <input type="checkbox"/>	18.00	J,K	30	2.520	20	3.30	120
GTW3225P-220 <input type="checkbox"/>	22.00	J,K	30	2.520	20	3.70	110
GTW3225P-270 <input type="checkbox"/>	27.00	J,K	30	2.520	20	5.00	80
GTW3225P-330 <input type="checkbox"/>	33.00	J,K	30	2.520	17	5.60	70
GTW3225P-390 <input type="checkbox"/>	39.00	J,K	30	2.520	16	6.40	65
GTW3225P-470 <input type="checkbox"/>	47.00	J,K	30	2.520	15	7.00	60
GTW3225P-560 <input type="checkbox"/>	56.00	J,K	30	2.520	13	8.00	55
GTW3225P-680 <input type="checkbox"/>	68.00	J,K	30	2.520	12	9.00	50
GTW3225P-820 <input type="checkbox"/>	82.00	J,K	30	2.520	11	10.00	45
GTW3225P-101 <input type="checkbox"/>	100.00	J,K	20	0.796	10	11.00	40
GTW3225P-121 <input type="checkbox"/>	120.00	J,K	20	0.796	10	11.00	70
GTW3225P-151 <input type="checkbox"/>	150.00	J,K	20	0.796	8	15.00	65
GTW3225P-181 <input type="checkbox"/>	180.00	J,K	20	0.796	7	17.00	60
GTW3225P-221 <input type="checkbox"/>	220.00	J,K	20	0.796	7	21.00	50



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GTW4532P-R10	0.10	J,K	35	25.200	300	0.18	800
GTW4532P-R12	0.12	J,K	35	25.200	280	0.20	770
GTW4532P-R15	0.15	J,K	35	25.200	250	0.22	730
GTW4532P-R18	0.18	J,K	35	25.200	220	0.24	700
GTW4532P-R22	0.22	J,K	40	25.200	200	0.25	665
GTW4532P-R27	0.27	J,K	40	25.200	180	0.26	635
GTW4532P-R33	0.33	J,K	40	25.200	165	0.28	605
GTW4532P-R39	0.39	J,K	40	25.200	150	0.30	575
GTW4532P-R47	0.47	J,K	40	25.200	145	0.32	545
GTW4532P-R56	0.56	J,K	40	25.200	140	0.36	520
GTW4532P-R68	0.68	J,K	40	25.200	135	0.40	500
GTW4532P-R82	0.82	J,K	40	25.200	130	0.45	475
GTW4532P-1R0	1.00	J,K	50	7.960	100	0.50	450
GTW4532P-1R2	1.20	J,K	50	7.960	80	0.55	430
GTW4532P-1R5	1.50	J,K	50	7.960	70	0.60	410
GTW4532P-1R8	1.80	J,K	50	7.960	60	0.65	390
GTW4532P-2R2	2.20	J,K	50	7.960	55	0.70	380
GTW4532P-2R7	2.70	J,K	50	7.960	50	0.75	370
GTW4532P-3R3	3.30	J,K	50	7.960	45	0.80	355
GTW4532P-3R9	3.90	J,K	50	7.960	40	0.90	330
GTW4532P-4R7	4.70	J,K	50	7.960	35	1.00	315
GTW4532P-5R6	5.60	J,K	50	7.960	33	1.10	300
GTW4532P-6R8	6.80	J,K	50	7.960	27	1.20	285
GTW4532P-8R2	8.20	J,K	50	7.960	25	1.40	270
GTW4532P-100	10.00	J,K	50	2.520	20	1.60	250
GTW4532P-120	12.00	J,K	50	2.520	18	2.00	225
GTW4532P-150	15.00	J,K	50	2.520	17	2.50	200
GTW4532P-180	18.00	J,K	50	2.520	15	2.80	190
GTW4532P-220	22.00	J,K	50	2.520	13	3.20	180
GTW4532P-270	27.00	J,K	50	2.520	12	3.60	170
GTW4532P-330	33.00	J,K	50	2.520	11	4.00	160
GTW4532P-390	39.00	J,K	50	2.520	10	4.50	150
GTW4532P-470	47.00	J,K	50	2.520	10	5.00	140
GTW4532P-560	56.00	J,K	50	2.520	9	5.50	135
GTW4532P-680	68.00	J,K	50	2.520	9	6.00	130
GTW4532P-820	82.00	J,K	50	2.520	8	7.00	120
GTW4532P-101	100.00	J,K	40	0.796	8	8.00	110
GTW4532P-121	120.00	J,K	40	0.796	6	8.00	110
GTW4532P-151	150.00	J,K	40	0.796	5	9.00	105
GTW4532P-181	180.00	J,K	40	0.796	5	9.50	102
GTW4532P-221	220.00	J,K	40	0.796	4	10.00	100
GTW4532P-271	270.00	J,K	40	0.796	4	12.00	92
GTW4532P-331	330.00	J,K	40	0.796	3.5	14.00	85
GTW4532P-391	390.00	J,K	40	0.796	3	18.00	80
GTW4532P-471	470.00	J,K	40	0.796	3	26.00	62
GTW4532P-561	560.00	J,K	30	0.796	3	30.00	50
GTW4532P-681	680.00	J,K	30	0.796	3	30.00	50
GTW4532P-821	820.00	J,K	30	0.796	2.5	35.00	30
GTW4532P-102	1000.00	J,K	30	0.252	2.5	40.00	30



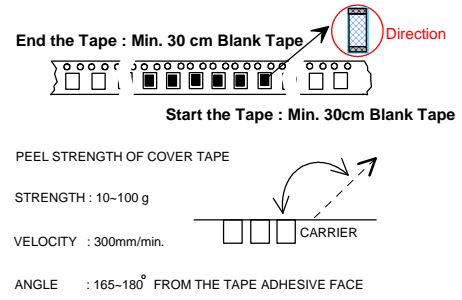
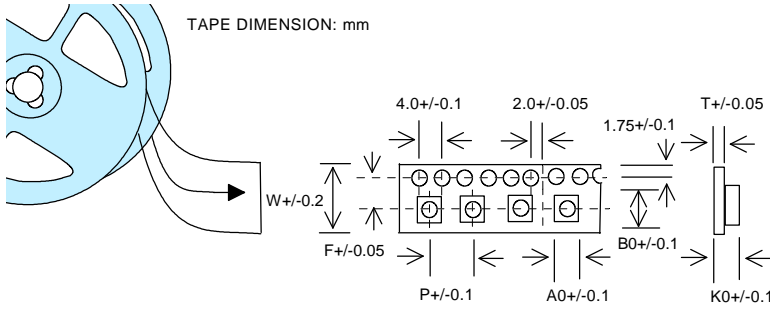
Product Series Code	GTW	Brand	GOTREND
File Version	GTW-V3R6	Editor	Teddy
Established Date	2000.09.28	Description	Ferrite Core Wound Molding Inductor
Latest Edit Date	2017.10.29	Pages	Page : 8

Reliability Test Result :

NO	ITEM	TEST CONDITIONS	REMARKS																
1	Thermal Shock (Temperature Cycle) 溫度循環試驗	Temperature: -40 ° C/ +85 ° C kept stabilized for 30 minutes each Cycle: 100 Cycles	Inductance value shall be within $\pm 10\%$ of the initial value. Q-factor shall be within $\pm 30\%$ of the initial value. Impedance shall be within $\pm 20\%$ of the initial value. DCR value shall be within $\pm 20\%$ of the initial value. ■NO.1~4 Measurement: After placing for 24 hours (min.) ■NO.2~3 Applied current(spec): Rated current(maximum value) ■NO.5 Cycle: 5 cycles																
2	Humidity Resistance 耐濕試驗	Humidity: 90%~ 95% RH Temperature: 40 \pm 2 ° C Test Time: 1000 \pm 12 Hours																	
3	High Temperature 耐熱試驗	Temperature: 85 \pm 2 ° C Humidity: 20% Testing Time: 1000 \pm 12 Hours																	
4	Low Temperature 耐寒試驗	Temperature: -40 \pm 2 ° C Time: 1000 \pm 12 Hours																	
5	Temperature and Humidity Cycle 溫/濕度循環試驗	<table border="1"> <thead> <tr> <th>Step</th> <th>Temp</th> <th>Humidity</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>25\pm 2 ° C</td> <td>95~100%RH</td> <td>3.0Hr</td> </tr> <tr> <td>2</td> <td>55\pm 2 ° C</td> <td>95~96%RH</td> <td>9.5Hr</td> </tr> <tr> <td>3</td> <td>25\pm 2 ° C</td> <td>95~100%RH</td> <td>9.5Hr</td> </tr> </tbody> </table>		Step	Temp	Humidity	Time	1	25 \pm 2 ° C	95~100%RH	3.0Hr	2	55 \pm 2 ° C	95~96%RH	9.5Hr	3	25 \pm 2 ° C	95~100%RH	9.5Hr
Step	Temp	Humidity		Time															
1	25 \pm 2 ° C	95~100%RH		3.0Hr															
2	55 \pm 2 ° C	95~96%RH		9.5Hr															
3	25 \pm 2 ° C	95~100%RH		9.5Hr															
6	Vibration 振動性試驗	Frequency: 10Hz~55Hz Amplitude: 1.5mm Direction: X,Y,Z Time: 2 Hours each																	
7	IR Reflow Soldering 焊錫性試驗	Solder: H63A(eutectic solder) Solder Temp.: 230 \pm 5 ° C Time: 6 minutes Cycles: x 1																	
8	Soldering Heat Resistance 耐熱 焊性試驗	Preheat: 120 ~ 150 ° C (60 sec) Solder: H63A(eutectic solder) Solder Temp.: 260 \pm 5 ° C Flux: Rosin Dip time: 10 \pm 1 seconds																	
9	Bending Strength 折斷力試驗																		
10	Flexure Strength 彎曲試驗																		
11	Terminal Strength 拉力試驗																		

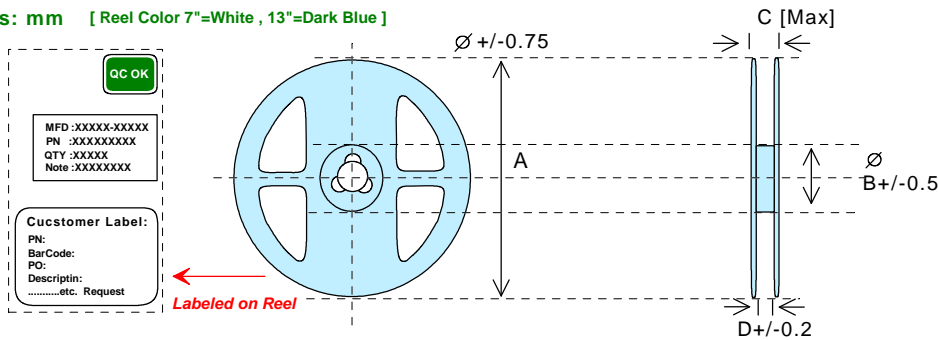


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SIZE/mm	W	P	A ₀	B ₀	K ₀	T	F
2520	8.00	4.00	2.80	2.95	2.20	0.23	3.50
2520F	8.00	4.00	2.40	2.90	2.00	0.23	3.50
3225	8.00	4.00	2.96	3.60	2.40	0.23	3.50
4532	12.00	8.00	3.30	5.00	3.50	0.30	5.50

Reel Dimensions: mm [Reel Color 7"=White , 13"=Dark Blue]



SIZE / mm	A	B	C	D	REEL SIZE	QTY/REEL
2520	178	60	12	9	7"	2.0K
2520F	178	60	12	9	7"	2.0K
3225	178	60	12	9	7"	2.0K
4532	178	60	16	13.2	7"	0.5K

BOX Package: cm

