

SAMPLE

検査成績表
<TEST REPORT>HIOKI
HIOKI E.E. CORPORATION

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品名<Model Name> (LCRハイテスタ <LCR HiTESTER>)
形名<Model Number> (3535)
製造番号<Serial No.> (No. 110232827)
検査年月日<Test Date> (2011-03-01)
(<YYYY-MM-DD>)
検査条件<Test Conditions> (23.3 °C, 46 %rh)
ヘッドアンプユニット<HED AMP UNIT> (9700-10 No. 110214709)

項目 <Item>	設定値 <Setup Value>	標準器 <Standard>	許容範囲 <Tolerance>	測定値 <Measured Value>
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確度<Accuracy>

測定信号レベル

<Measurement signal level>

10MHz	0.005 V	—	0.00000 V ~ 0.02075 V	(0.00526 V)
	0.5 V	—	0.41000 V ~ 0.59000 V	(0.52200 V)
	1 V	—	0.83500 V ~ 1.16500 V	(1.05000 V)

120MHz	0.005 V	—	0.00000 V ~ 0.02641 V	(0.00466 V)
	0.5 V	—	0.37763 V ~ 0.62237 V	(0.45200 V)

測定周波数

<Measurement frequency>

100kHz	0.5 V	—	99.995 kHz ~ 100.005 kHz	(100.000 kHz)
1MHz	0.5 V	—	0.99995 MHz ~ 1.00005 MHz	(1.00000 MHz)

備考<Note>

FAIL判定箇所は、グレー表示としています。<FAIL decision points are highlighted in gray.>

総合判定<Overall Result>
(PASS)検査者<Inspected by>
()承認者<Approved by>
()

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 (9700-10 No. 110214709)
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項目 <Item>	設定値 <Setup Value>	標準器(校正値) <Standard>(Calibration)	許容範囲 <Tolerance>	表示値 <Indicated Value>
確度<Accuracy> <Range : 1k Ω Function:Z CABLE:0m> (Sample: 5 Ω)				
100kHz	0.5V Z θ	5 Ω (5.00008 Ω) (-0.023 $^{\circ}$)	4.7718 Ω ~ -2.76 $^{\circ}$ ~	5.2284 Ω (4.9807 Ω) 2.71 $^{\circ}$ (-0.30 $^{\circ}$)
1MHz	0.5V Z θ	5 Ω (4.99882 Ω) (-0.036 $^{\circ}$)	4.5421 Ω ~ -5.51 $^{\circ}$ ~	5.4555 Ω (4.9167 Ω) 5.44 $^{\circ}$ (-0.70 $^{\circ}$)
10MHz	0.5V Z θ	5 Ω (4.98548 Ω) (-0.198 $^{\circ}$)	4.3007 Ω ~ -8.43 $^{\circ}$ ~	5.6702 Ω (4.8362 Ω) 8.04 $^{\circ}$ (-1.02 $^{\circ}$)
100MHz	0.5V Z θ	5 Ω (4.98200 Ω) (0.347 $^{\circ}$)	2.0150 Ω ~ -35.38 $^{\circ}$ ~	7.9490 Ω (4.6103 Ω) 36.08 $^{\circ}$ (-1.89 $^{\circ}$)
(Sample: 500 Ω)				
100kHz	0.5V Z θ	500 Ω (499.976 Ω) (-0.013 $^{\circ}$)	491.42 Ω ~ -1.04 $^{\circ}$ ~	508.53 Ω (499.37 Ω) 1.01 $^{\circ}$ (-0.01 $^{\circ}$)
1MHz	0.5V Z θ	500 Ω (499.956 Ω) (-0.058 $^{\circ}$)	482.84 Ω ~ -2.11 $^{\circ}$ ~	517.08 Ω (499.42 Ω) 1.99 $^{\circ}$ (-0.02 $^{\circ}$)
10MHz	0.5V Z θ	500 Ω (499.593 Ω) (-0.442 $^{\circ}$)	473.94 Ω ~ -3.52 $^{\circ}$ ~	525.25 Ω (499.71 Ω) 2.63 $^{\circ}$ (-0.21 $^{\circ}$)
100MHz	0.5V Z θ	500 Ω (492.410 Ω) (-1.391 $^{\circ}$)	383.70 Ω ~ -14.63 $^{\circ}$ ~	601.12 Ω (499.73 Ω) 11.85 $^{\circ}$ (-1.50 $^{\circ}$)
100MHz	0.2V Z θ	500 Ω (492.410 Ω) (-1.391 $^{\circ}$)	315.50 Ω ~ -22.94 $^{\circ}$ ~	669.32 Ω (500.55 Ω) 20.16 $^{\circ}$ (-1.34 $^{\circ}$)
100MHz	0.05V Z θ	500 Ω (492.410 Ω) (-1.391 $^{\circ}$)	212.32 Ω ~ -35.52 $^{\circ}$ ~	772.50 Ω (503.97 Ω) 32.73 $^{\circ}$ (-1.37 $^{\circ}$)
100MHz	0.02V Z θ	500 Ω (492.410 Ω) (-1.391 $^{\circ}$)	144.12 Ω ~ -43.83 $^{\circ}$ ~	840.70 Ω (494.55 Ω) 41.04 $^{\circ}$ (0.85 $^{\circ}$)
(Sample: 10pF)				
100MHz	0.5V Z θ	10pF (160.590 Ω) (-89.176 $^{\circ}$)	138.32 Ω ~ -97.49 $^{\circ}$ ~	182.86 Ω (160.01 Ω) -80.86 $^{\circ}$ (-89.60 $^{\circ}$)
(Sample: 100pF)				
10MHz	0.5V Z θ	100pF (158.836 Ω) (-90.015 $^{\circ}$)	153.77 Ω ~ -91.92 $^{\circ}$ ~	163.90 Ω (158.73 Ω) -88.11 $^{\circ}$ (-90.03 $^{\circ}$)
100MHz	0.5V Z θ	100pF (16.1061 Ω) (-89.065 $^{\circ}$)	12.040 Ω ~ -104.21 $^{\circ}$ ~	20.170 Ω (15.637 Ω) -73.92 $^{\circ}$ (-89.48 $^{\circ}$)

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項目 <Item>	設定値 <Setup Value>	標準器(校正值) <Standard>(Calibration)	許容範囲 <Tolerance>	表示値 <Indicated Value>
確度<Accuracy>				
<Range : 10k Ω Function:Z CABLE:0m>				
(Sample: 5k Ω)				
100kHz	0.5V Z θ	5k Ω (4.98936 k Ω (-0.028 °)	4.8566 k Ω ~ -1.62 ° ~	5.1221 k Ω (4.9901 k Ω 1.56 ° (-0.02 °)
1MHz	0.5V Z θ	5k Ω (4.99028 k Ω (-0.116 °)	4.7246 k Ω ~ -3.31 ° ~	5.2560 k Ω (4.9895 k Ω 3.07 ° (-0.13 °)
10MHz	0.5V Z θ	5k Ω (4.98193 k Ω (-1.033 °)	4.5843 k Ω ~ -5.82 ° ~	5.3796 k Ω (4.9835 k Ω 3.75 ° (-1.11 °)
100MHz	0.5V Z θ	5k Ω (4.91406 k Ω (-9.168 °)	3.2225 k Ω ~ -29.82 ° ~	6.6056 k Ω (4.9476 k Ω 11.48 ° (-8.26 °)
(Sample: 1pF)				
100MHz	0.5V Z θ	1pF (1.56948 k Ω (-89.342 °)	1.1591 k Ω ~ -105.03 ° ~	1.9798 k Ω (1.4918 k Ω -73.66 ° (-90.43 °)
(Sample: 10pF)				
10MHz	0.5V Z θ	10pF (1.60271 k Ω (-89.966 °)	1.5057 k Ω ~ -93.59 ° ~	1.6997 k Ω (1.6002 k Ω -86.34 ° (-90.20 °)
(Sample: 100pF)				
1MHz	0.5V Z θ	100pF (1.58869 k Ω (-90.004 °)	1.5247 k Ω ~ -92.42 ° ~	1.6527 k Ω (1.5886 k Ω -87.59 ° (-90.03 °)
<Range : 100k Ω Function:Z CABLE:0m>				
(Sample: 50k Ω)				
100kHz	0.5V Z θ	50k Ω (49.8019 k Ω (-0.091 °)	47.152 k Ω ~ -3.28 ° ~	52.451 k Ω (49.890 k Ω 3.10 ° (-0.10 °)
1MHz	0.5V Z θ	50k Ω (49.8276 k Ω (-0.798 °)	44.524 k Ω ~ -7.18 ° ~	55.131 k Ω (49.849 k Ω 5.58 ° (-0.82 °)
10MHz	0.5V Z θ	50k Ω (48.8129 k Ω (-7.831 °)	41.076 k Ω ~ -17.34 ° ~	56.549 k Ω (48.736 k Ω 1.67 ° (-7.60 °)
100MHz	0.5V Z θ	50k Ω (30.1383 k Ω (-51.504 °)	12.223 k Ω ~ -87.17 ° ~	48.053 k Ω (29.298 k Ω -15.84 ° (-45.27 °)
(Sample: 1pF)				
10MHz	0.5V Z θ	1pF (15.5854 k Ω (-89.891 °)	13.707 k Ω ~ -97.12 ° ~	17.464 k Ω (15.646 k Ω -82.66 ° (-90.12 °)
(Sample: 10pF)				
1MHz	0.5V Z θ	10pF (16.0275 k Ω (-89.995 °)	14.734 k Ω ~ -94.83 ° ~	17.321 k Ω (16.041 k Ω -85.16 ° (-90.01 °)
(Sample: 100pF)				
100kHz	0.5V Z θ	100pF (15.8838 k Ω (-90.000 °)	15.244 k Ω ~ -92.41 ° ~	16.523 k Ω (15.896 k Ω -87.59 ° (-90.01 °)