

検査成績表
TEST REPORT

品名<Model Name> (LCRメータ<LCR METER>)
 形名<Model Number> (IM3523A)
 製造番号<Serial No.> (No. 221212345)
 検査年月日<Test Date> (2022-12-21)
 <YYYY-MM-DD>
 検査条件<Test Conditions> (25.0 °C, 50 % RH)

項目 <Item>	設定値 <Setup Value>	*5 許容範囲 <Tolerance>	*4 校正値 <Calibration Value>
測定周波数 <Measurement Frequency>	1kHz 1 Vrms	0.999900 kHz ~ 1.000100 kHz	(0.999987 kHz)
	200kHz 1 Vrms	199.9800 kHz ~ 200.0200 kHz	(199.9975 kHz)
測定信号レベル <Measurement Signal Level>	DC 2 V	1.780 V ~ 2.220 V	(2.012 V)
	1kHz 100 mV	80.00 mV ~ 120.00 mV	(100.20 mV)
	1 V	0.8900 V ~ 1.1100 V	(1.0056 V)
	5 V	4.490 V ~ 5.510 V	(5.028 V)
	200kHz 100 mV	80.00 mV ~ 120.00 mV	(99.39 mV)
	1 V	0.8900 V ~ 1.1100 V	(0.9999 V)
	5 V	4.490 V ~ 5.510 V	(4.997 V)
測定信号レベルモニタ <Measurement Signal Level Monitor>	DC (2.012 V)	1.801 V ~ 2.223 V	(1.998 V)
	1kHz (100.20 mV)	80.18 mV ~ 120.22 mV	(99.48 mV)
	(1.0056 V)	0.8951 V ~ 1.1161 V	(0.9987 V)
	(5.028 V)	4.516 V ~ 5.540 V	(4.993 V)
	200kHz (99.39 mV)	79.46 mV ~ 119.32 mV	(99.04 mV)
	(0.9999 V)	0.8900 V ~ 1.1098 V	(0.9930 V)
	(4.997 V)	4.488 V ~ 5.506 V	(4.962 V)

備考<Note>

*1.測定値<Measured Value>

*2.モニタ値<Monitor Value>

*3.スピード SLOW2 <Accuracy:Speed SLOW2>

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

*5.標準器校正値を使用しているポイントの許容範囲は、標準器校正値を基準に定めています。

<The tolerance for each point using the standard calibration value is based on the standard calibration value.>

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

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<TEST REPORT>

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製造番号<Serial No.> (No. 221212345)
 検査年月日<Test Date> (2022-12-21)
 <YYYY-MM-DD>

確度: ケーブル 0m <Accuracy: Cable 0m> *3

試料 <Sample>	レンジ <Range>	周波数 <Freq.>	電圧 <Volt.>	標準器 <Standard>	(標準器校正値) <Std. Cal. Value>	*5 許容範囲 <Tolerance>	*4 校正値 <Calibration Value>
50mΩ	100mΩ	DC	2V	50mΩ	Z (50.3364 mΩ)	47.34 mΩ ~ 53.33 mΩ	(50.29 mΩ)
			1V	50mΩ	Z (50.3317 mΩ)	47.84 mΩ ~ 52.83 mΩ	(50.34 mΩ)
		1kHz	1V	θ (0.017 °)		-3.463 ° ~ 3.497 °	(-0.008 °)
				50mΩ	Z (50.4007 mΩ)	48.41 mΩ ~ 52.40 mΩ	(50.51 mΩ)
			θ (0.783 °)			-2.693 ° ~ 4.259 °	(0.791 °)
				50mΩ	Z (50.4007 mΩ)	48.41 mΩ ~ 52.40 mΩ	(50.51 mΩ)
500mΩ	1Ω	DC	2V	500mΩ	Z (500.107 mΩ)	497.11 mΩ ~ 503.10 mΩ	(500.06 mΩ)
			101mV	500mΩ	Z (500.098 mΩ)	486.69 mΩ ~ 513.50 mΩ	(500.00 mΩ)
		100Hz	500mV	θ (-0.004 °)		-2.089 ° ~ 2.081 °	(0.052 °)
				500mΩ	Z (500.098 mΩ)	493.80 mΩ ~ 506.39 mΩ	(500.15 mΩ)
			θ (-0.004 °)			-0.983 ° ~ 0.975 °	(-0.019 °)
				500mΩ	Z (500.098 mΩ)	495.60 mΩ ~ 504.59 mΩ	(500.15 mΩ)
		5V	500mΩ	Z (500.098 mΩ)	493.80 mΩ ~ 506.39 mΩ	(500.15 mΩ)	
				θ (-0.004 °)		-0.983 ° ~ 0.975 °	(-0.012 °)
		10kHz	1V	500mΩ	Z (500.107 mΩ)	496.61 mΩ ~ 503.60 mΩ	(500.16 mΩ)
				θ (0.067 °)		-0.382 ° ~ 0.516 °	(0.065 °)
		100kHz	1V	500mΩ	Z (500.370 mΩ)	496.88 mΩ ~ 503.87 mΩ	(500.51 mΩ)
				θ (0.641 °)		-0.558 ° ~ 1.840 °	(0.635 °)
5Ω	10Ω	100Hz	1V	5Ω	Z (4.99723 Ω)	4.97474 Ω ~ 5.01972 Ω	(4.99766 Ω)
			θ (-0.005 °)		-0.335 ° ~ 0.325 °	(-0.006 °)	
		1kHz	1V	5Ω	Z (4.99738 Ω)	4.97989 Ω ~ 5.01487 Ω	(4.99779 Ω)
				θ (-0.008 °)		-0.188 ° ~ 0.172 °	(-0.007 °)

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<TEST REPORT>

製造番号<Serial No.> (No. 221212345)
 検査年月日<Test Date> (2022-12-21)
 <YYYY-MM-DD>

精度: ケーブル 0m <Accuracy: Cable 0m> *3

試料 <Sample>	レンジ <Range>	周波数 <Freq.>	電圧 <Volt.>	標準器 <Standard>	(標準器校正値) <Std. Cal. Value>	*5 許容範囲 <Tolerance>	*4 校正値 <Calibration Value>	
1pF	100MΩ	1kHz	1V	1pF	Z (159.010 MΩ)	106.852 MΩ ~ 211.168 MΩ	(159.781 MΩ)	
					θ (-89.994 °)	-121.796 ° ~ -58.192 °	(-90.066 °)	
	10MΩ	10kHz	1V	1pF	Z (15.9059 MΩ)	15.2409 MΩ ~ 16.5709 MΩ	(15.9474 MΩ)	
					θ (-89.993 °)	-93.174 ° ~ -86.812 °	(-90.010 °)	
		100kHz	1V	1pF	Z (1.59092 MΩ)	1.52440 MΩ ~ 1.65744 MΩ	(1.58979 MΩ)	
					θ (-89.989 °)	-93.170 ° ~ -86.808 °	(-90.007 °)	
100pF	100MΩ	100Hz	1V	100pF	Z (15.9146 MΩ)	15.2490 MΩ ~ 16.5802 MΩ	(15.9388 MΩ)	
					θ (-89.994 °)	-93.176 ° ~ -86.812 °	(-89.998 °)	
	10MΩ	1kHz	501mV	100pF	Z (1.59149 MΩ)	1.57641 MΩ ~ 1.60657 MΩ	(1.59202 MΩ)	
					θ (-89.997 °)	-90.722 ° ~ -89.272 °	(-90.007 °)	
		1V	100pF	Z (1.59149 MΩ)	1.58071 MΩ ~ 1.60227 MΩ	(1.59204 MΩ)		
				θ (-89.997 °)	-90.515 ° ~ -89.479 °	(-90.008 °)		
			5V	100pF	Z (1.59149 MΩ)	1.57640 MΩ ~ 1.60658 MΩ	(1.59205 MΩ)	
					θ (-89.997 °)	-90.722 ° ~ -89.272 °	(-90.008 °)	
	1MΩ	10kHz	1V	100pF	Z (159.156 kΩ)	158.632 kΩ ~ 159.680 kΩ	(159.173 kΩ)	
					θ (-89.998 °)	-90.209 ° ~ -89.787 °	(-90.002 °)	
	100kΩ	100kHz	50mV	100pF	Z (15.9166 kΩ)	15.6989 kΩ ~ 16.1343 kΩ	(15.9167 kΩ)	
					θ (-89.997 °)	-92.056 ° ~ -87.938 °	(-90.002 °)	
		100mV	100pF	Z (15.9166 kΩ)	15.7860 kΩ ~ 16.0472 kΩ	(15.9188 kΩ)		
				θ (-89.997 °)	-91.232 ° ~ -88.762 °	(-90.001 °)		
			500mV	100pF	Z (15.9166 kΩ)	15.8557 kΩ ~ 15.9775 kΩ	(15.9182 kΩ)	
					θ (-89.997 °)	-90.573 ° ~ -89.421 °	(-90.001 °)	
	1V	100pF	Z (15.9166 kΩ)	15.8731 kΩ ~ 15.9601 kΩ	(15.9179 kΩ)			
			θ (-89.997 °)	-90.408 ° ~ -89.586 °	(-90.003 °)			
	5V	100pF	Z (15.9166 kΩ)	15.8557 kΩ ~ 15.9775 kΩ	(15.9180 kΩ)			
			θ (-89.997 °)	-90.573 ° ~ -89.421 °	(-90.022 °)			
	10nF	1MΩ	100Hz	1V	10nF	Z (159.108 kΩ)	158.584 kΩ ~ 159.632 kΩ	(159.127 kΩ)
						θ (-90.000 °)	-90.211 ° ~ -89.789 °	(-90.005 °)
		100kΩ	1kHz	1V	10nF	Z (15.9111 kΩ)	15.8854 kΩ ~ 15.9368 kΩ	(15.9133 kΩ)
						θ (-89.999 °)	-90.107 ° ~ -89.891 °	(-90.010 °)
10kΩ		10kHz	1V	10nF	Z (1.59113 kΩ)	1.59015 kΩ ~ 1.59211 kΩ	(1.59122 kΩ)	
					θ (-89.999 °)	-90.040 ° ~ -89.958 °	(-90.004 °)	
1kΩ		100kHz	1V	10nF	Z (159.101 Ω)	158.764 Ω ~ 159.438 Ω	(159.106 Ω)	
					θ (-89.996 °)	-90.407 ° ~ -89.585 °	(-90.001 °)	
100Ω		200kHz	1V	10nF	Z (79.550 Ω)	79.3056 Ω ~ 79.7950 Ω	(79.5368 Ω)	
					θ (-89.996 °)	-90.601 ° ~ -89.391 °	(-89.991 °)	
1μF		10kΩ	100Hz	1V	1μF	Z (1.59130 kΩ)	1.58789 kΩ ~ 1.59471 kΩ	(1.59141 kΩ)
						θ (-90.000 °)	-90.111 ° ~ -89.889 °	(-90.004 °)
	1kΩ	1kHz	1V	1μF	Z (159.130 Ω)	158.873 Ω ~ 159.387 Ω	(159.147 Ω)	
					θ (-89.998 °)	-90.089 ° ~ -89.907 °	(-90.009 °)	
	100Ω	10kHz	1V	1μF	Z (15.9121 Ω)	15.8715 Ω ~ 15.9527 Ω	(15.9141 Ω)	
					θ (-89.990 °)	-90.142 ° ~ -89.838 °	(-89.992 °)	
	10Ω	100kHz	1V	1μF	Z (1.58210 Ω)	1.57315 Ω ~ 1.59105 Ω	(1.58232 Ω)	
					θ (-89.865 °)	-90.881 ° ~ -88.849 °	(-89.874 °)	

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製造番号<Serial No.> (No. 221212345)
 検査年月日<Test Date> (2022-12-21)
 <YYYY-MM-DD>

精度: ケーブル 1m <Accuracy: Cable 1m> *3

試料 <Sample>	レンジ <Range>	周波数 <Freq.>	電圧 <Volt.>	標準器 <Standard>	(標準器校正値) <Std. Cal. Value>	*5 許容範囲 <Tolerance>	*4 校正値 <Calibration Value>	
50mΩ	100mΩ	DC	2V	50mΩ	Z (50.3364 mΩ)	46.74 mΩ ~ 53.93 mΩ	(50.17 mΩ)	
		1kHz	1V	50mΩ	Z (50.3317 mΩ)	47.34 mΩ ~ 53.33 mΩ	(50.37 mΩ)	
	100kHz	1V	50mΩ	Z (0.017 °)	-4.159 ° ~ 4.193 °	(0.214 °)		
				Z (50.4007 mΩ)	48.01 mΩ ~ 52.80 mΩ	(50.41 mΩ)		
		θ (0.783 °)	-3.388 ° ~ 4.954 °	(0.817 °)				
		θ ()						
1pF	100MΩ	10kHz	1V	1pF	Z (15.9059 MΩ)	15.1079 MΩ ~ 16.7039 MΩ	(15.9495 MΩ)	
					θ (-89.993 °)	-93.810 ° ~ -86.176 °	(-90.012 °)	
	10MΩ	100kHz	1V	1pF	Z (1.59092 MΩ)	1.51109 MΩ ~ 1.67075 MΩ	(1.58918 MΩ)	
					θ (-89.989 °)	-93.807 ° ~ -86.171 °	(-90.026 °)	
	1MΩ	200kHz	501mV	1pF	Z (0.795461 MΩ)	0.735662 MΩ ~ 0.855260 MΩ	(0.795584 MΩ)	
					θ (-89.989 °)	-100.864 ° ~ -79.114 °	(-90.027 °)	
			1V	1pF	Z (0.795461 MΩ)	0.752723 MΩ ~ 0.838199 MΩ	(0.795959 MΩ)	
					θ (-89.989 °)	-97.761 ° ~ -82.217 °	(-90.032 °)	
			5V	1pF	Z (0.795461 MΩ)	0.735628 MΩ ~ 0.855294 MΩ	(0.795786 MΩ)	
					θ (-89.989 °)	-100.870 ° ~ -79.108 °	(-90.021 °)	
	10nF	1MΩ	100Hz	1V	10nF	Z (159.108 kΩ)	158.479 kΩ ~ 159.737 kΩ	(159.127 kΩ)
						θ (-90.000 °)	-90.254 ° ~ -89.746 °	(-90.005 °)
100kΩ		1kHz	1V	10nF	Z (15.9111 kΩ)	15.8803 kΩ ~ 15.9419 kΩ	(15.9134 kΩ)	
					θ (-89.999 °)	-90.129 ° ~ -89.869 °	(-90.010 °)	
10kΩ		10kHz	1V	10nF	Z (1.59113 kΩ)	1.58995 kΩ ~ 1.59231 kΩ	(1.59123 kΩ)	
					θ (-89.999 °)	-90.049 ° ~ -89.949 °	(-90.005 °)	
1kΩ		100kHz	1V	10nF	Z (159.101 Ω)	158.697 Ω ~ 159.505 Ω	(159.107 Ω)	
					θ (-89.996 °)	-90.490 ° ~ -89.502 °	(-90.005 °)	
100Ω		200kHz	1V	10nF	Z (79.550 Ω)	79.2566 Ω ~ 79.8440 Ω	(79.5375 Ω)	
					θ (-89.996 °)	-90.722 ° ~ -89.270 °	(-89.995 °)	

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<TEST REPORT>

製造番号<Serial No.> (No. 221212345)
 検査年月日<Test Date> (2022-12-21)
 <YYYY-MM-DD>

精度: ケーブル 2m <Accuracy: Cable 2m> *3

試料 <Sample>	レンジ <Range>	周波数 <Freq.>	電圧 <Volt.>	標準器 <Standard>	(標準器校正値) <Std. Cal. Value>	*5 許容範囲 <Tolerance>	*4 校正値 <Calibration Value>
50mΩ	100mΩ	DC	2V	50mΩ	Z (50.3364 mΩ)	45.84 mΩ ~ 54.83 mΩ	(50.33 mΩ)
			1V	50mΩ	Z (50.3317 mΩ)	46.56 mΩ ~ 54.11 mΩ	(50.12 mΩ)
		θ (0.017 °)	-5.238 ° ~ 5.272 °	(0.143 °)			
	100kHz	1V	50mΩ	Z (50.4007 mΩ)	45.41 mΩ ~ 55.40 mΩ	(49.69 mΩ)	
			θ (0.783 °)	-7.907 ° ~ 9.473 °	(1.248 °)		
		1pF	Z (15.9059 MΩ)	14.5758 MΩ ~ 17.2360 MΩ	(15.9316 MΩ)		
10MΩ	100kHz	1V	1pF	Z (1.59092 MΩ)	1.15848 MΩ ~ 2.02336 MΩ	(1.57998 MΩ)	
				θ (-89.989 °)	-110.670 ° ~ -69.308 °	(-90.033 °)	
10nF	1MΩ	100Hz	1V	10nF	Z (159.108 kΩ)	158.319 kΩ ~ 159.897 kΩ	(159.126 kΩ)
					θ (-90.000 °)	-90.318 ° ~ -89.682 °	(-90.005 °)
	100kΩ	1kHz	1V	10nF	Z (15.9111 kΩ)	15.8712 kΩ ~ 15.9510 kΩ	(15.9133 kΩ)
					θ (-89.999 °)	-90.167 ° ~ -89.831 °	(-90.010 °)
	10kΩ	10kHz	1V	10nF	Z (1.59113 kΩ)	1.58956 kΩ ~ 1.59270 kΩ	(1.59120 kΩ)
					θ (-89.999 °)	-90.065 ° ~ -89.933 °	(-90.005 °)
	1kΩ	100kHz	1V	10nF	Z (159.101 Ω)	158.259 Ω ~ 159.943 Ω	(159.078 Ω)
					θ (-89.996 °)	-91.025 ° ~ -88.967 °	(-90.002 °)
	100Ω	200kHz	1V	10nF	Z (79.550 Ω)	78.6936 Ω ~ 80.4070 Ω	(79.4813 Ω)
					θ (-89.996 °)	-92.113 ° ~ -87.879 °	(-89.989 °)

精度: ケーブル 4m <Accuracy: Cable 4m> *3

試料 <Sample>	レンジ <Range>	周波数 <Freq.>	電圧 <Volt.>	標準器 <Standard>	(標準器校正値) <Std. Cal. Value>	*5 許容範囲 <Tolerance>	*4 校正値 <Calibration Value>
50mΩ	100mΩ	DC	2V	50mΩ	Z (50.3364 mΩ)	44.34 mΩ ~ 56.33 mΩ	(50.30 mΩ)
			1V	50mΩ	Z (50.3317 mΩ)	45.29 mΩ ~ 55.38 mΩ	(50.16 mΩ)
		θ (0.017 °)	-7.013 ° ~ 7.047 °	(0.166 °)			
	100kHz	1V	50mΩ	Z (50.4007 mΩ)	42.41 mΩ ~ 58.40 mΩ	(48.15 mΩ)	
			θ (0.783 °)	-13.121 ° ~ 14.687 °	(2.276 °)		
		1pF	Z (15.9059 MΩ)	13.9108 MΩ ~ 17.9010 MΩ	(15.9051 MΩ)		
10MΩ	10kHz	1V	1pF	Z (-89.993 °)	-99.536 ° ~ -80.450 °	(-90.057 °)	
				θ (-89.993 °)	-99.536 ° ~ -80.450 °	(-90.057 °)	
10nF	1MΩ	100Hz	1V	10nF	Z (159.108 kΩ)	158.055 kΩ ~ 160.161 kΩ	(159.127 kΩ)
					θ (-90.000 °)	-90.425 ° ~ -89.575 °	(-90.005 °)
	100kΩ	1kHz	1V	10nF	Z (15.9111 kΩ)	15.8571 kΩ ~ 15.9651 kΩ	(15.9133 kΩ)
					θ (-89.999 °)	-90.227 ° ~ -89.771 °	(-90.010 °)
	10kΩ	10kHz	1V	10nF	Z (1.59113 kΩ)	1.58897 kΩ ~ 1.59329 kΩ	(1.59117 kΩ)
					θ (-89.999 °)	-90.091 ° ~ -89.907 °	(-90.004 °)
	1kΩ	100kHz	1V	10nF	Z (159.101 Ω)	157.753 Ω ~ 160.449 Ω	(159.008 Ω)
					θ (-89.996 °)	-91.643 ° ~ -88.349 °	(-89.998 °)
	100Ω	200kHz	1V	10nF	Z (79.550 Ω)	78.0816 Ω ~ 81.0190 Ω	(79.3459 Ω)
					θ (-89.996 °)	-93.626 ° ~ -86.366 °	(-89.978 °)