

検査成績表
TEST REPORT

品名<Model Name> (LCRメータ<LCR METER>)
 形名<Model Number> (IM3523)
 製造番号<Serial No.> (No. 150130501)
 検査年月日<Test Date> (2022-11-07)
 (<YYYY-MM-DD>)
 検査条件<Test Conditions> (23.0 °C, 47 %rh)

項目 <Item>	設定値 <Setup Value>		*5 許容範囲 <Tolerance>		*4 測定値 <Measured Value>
測定周波数 <Measurement Frequency>	1kHz	1 Vrms	0.999900 kHz	~ 1.000100 kHz	(0.999990 kHz)
	200kHz	1 Vrms	199.9800 kHz	~ 200.0200 kHz	(199.9981 kHz)
測定信号レベル <Measurement Signal Level>	DC	2 V	1.780 V	~ 2.220 V	(2.007 V)
	1kHz	100 mV	80.00 mV	~ 120.00 mV	(101.04 mV)
		1 V	0.8900 V	~ 1.1100 V	(1.0054 V)
		5 V	4.490 V	~ 5.510 V	(5.027 V)
	200kHz	100 mV	80.00 mV	~ 120.00 mV	(100.12 mV)
		1 V	0.8900 V	~ 1.1100 V	(0.9996 V)
5 V		4.490 V	~ 5.510 V	(4.995 V)	
測定信号レベルモニタ <Measurement Signal Level Monitor>	DC	*1 (2.007 V)	1.797 V	~ 2.217 V	(*2 1.999 V)
	1kHz	(101.04 mV)	80.94 mV	~ 121.14 mV	(100.40 mV)
		(1.0054 V)	0.8949 V	~ 1.1159 V	(0.9997 V)
		(5.027 V)	4.515 V	~ 5.539 V	(4.999 V)
	200kHz	(100.12 mV)	80.11 mV	~ 120.13 mV	(99.95 mV)
		(0.9996 V)	0.8897 V	~ 1.1095 V	(0.9940 V)
(4.995 V)		4.486 V	~ 5.504 V	(4.968 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> (PASS)	検査者<Inspected By> ()	承認者<Approved By> ()
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製造番号<Serial No.> (No. 150130501)
 検査年月日<Test Date> (2022-11-07)
 <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 表示値 <Indicated Value>	
50mΩ	100mΩ	DC	2V	50mΩ	Z (50.3380 mΩ)	47.34 mΩ ~	53.33 mΩ (50.38 mΩ)	
			1V	50mΩ	Z (50.3370 mΩ)	47.84 mΩ ~	52.83 mΩ (50.32 mΩ)	
	100kHz	1V	50mΩ		θ (-0.008 °)	-3.487 ° ~	3.472 ° (0.015 °)	
					Z (50.4016 mΩ)	48.41 mΩ ~	52.40 mΩ (50.37 mΩ)	
					θ (0.779 °)	-2.697 ° ~	4.255 ° (0.752 °)	
500mΩ	1Ω	DC	2V	500mΩ	Z (500.109 mΩ)	497.11 mΩ ~	503.10 mΩ (499.99 mΩ)	
			101mV	500mΩ	Z (500.116 mΩ)	486.71 mΩ ~	513.52 mΩ (500.15 mΩ)	
		500mV	500mΩ	500mΩ		θ (-0.005 °)	-2.090 ° ~	2.080 ° (-0.054 °)
						Z (500.116 mΩ)	493.82 mΩ ~	506.41 mΩ (500.15 mΩ)
						θ (-0.005 °)	-0.984 ° ~	0.974 ° (-0.007 °)
						Z (500.116 mΩ)	495.62 mΩ ~	504.61 mΩ (500.16 mΩ)
	5V	500mΩ	500mΩ		θ (-0.005 °)	-0.704 ° ~	0.694 ° (-0.005 °)	
					Z (500.116 mΩ)	493.82 mΩ ~	506.41 mΩ (500.09 mΩ)	
	10kHz	1V	500mΩ		θ (-0.005 °)	-0.984 ° ~	0.974 ° (-0.004 °)	
					Z (500.117 mΩ)	496.62 mΩ ~	503.61 mΩ (500.18 mΩ)	
		100kHz	1V	500mΩ		θ (0.067 °)	-0.382 ° ~	0.516 ° (0.066 °)
						Z (500.379 mΩ)	496.88 mΩ ~	503.87 mΩ (500.43 mΩ)
					θ (0.641 °)	-0.558 ° ~	1.840 ° (0.628 °)	
5Ω	10Ω	100Hz	1V	5Ω	Z (4.99743 Ω)	4.97494 Ω ~	5.01992 Ω (4.99751 Ω)	
				θ (-0.005 °)	-0.335 ° ~	0.325 ° (-0.004 °)		
	1kHz	1V	5Ω		Z (4.99753 Ω)	4.98004 Ω ~	5.01502 Ω (4.99764 Ω)	
					θ (-0.007 °)	-0.187 ° ~	0.173 ° (-0.005 °)	

製造番号<Serial No.> (No. 150130501)
 検査年月日<Test Date> (2022-11-07)
 <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 表示値 <Indicated Value>
1pF	100MΩ	1kHz	1V	1pF	Z (159.010 MΩ)	106.852 MΩ ~ 211.168 MΩ	(158.955 MΩ)
					θ (-89.994 °)	-121.796 ° ~ -58.192 °	(-89.992 °)
	10kΩ	10kHz	1V	1pF	Z (15.9059 MΩ)	15.2409 MΩ ~ 16.5709 MΩ	(15.9168 MΩ)
					θ (-89.993 °)	-93.174 ° ~ -86.812 °	(-90.044 °)
	10MΩ	100kHz	1V	1pF	Z (1.59092 MΩ)	1.52440 MΩ ~ 1.65744 MΩ	(1.59059 MΩ)
					θ (-89.989 °)	-93.170 ° ~ -86.808 °	(-90.008 °)
100pF	100MΩ	100Hz	1V	100pF	Z (15.9146 MΩ)	15.2490 MΩ ~ 16.5802 MΩ	(15.9350 MΩ)
					θ (-89.994 °)	-93.176 ° ~ -86.812 °	(-89.996 °)
	10MΩ	1kHz	501mV	100pF	Z (1.59149 MΩ)	1.57641 MΩ ~ 1.60657 MΩ	(1.59179 MΩ)
					θ (-89.997 °)	-90.722 ° ~ -89.272 °	(-90.004 °)
			1V	100pF	Z (1.59149 MΩ)	1.58071 MΩ ~ 1.60227 MΩ	(1.59175 MΩ)
					θ (-89.997 °)	-90.515 ° ~ -89.479 °	(-90.004 °)
			5V	100pF	Z (1.59149 MΩ)	1.57640 MΩ ~ 1.60658 MΩ	(1.59173 MΩ)
					θ (-89.997 °)	-90.722 ° ~ -89.272 °	(-90.005 °)
	1MΩ	10kHz	1V	100pF	Z (159.156 kΩ)	158.632 kΩ ~ 159.680 kΩ	(159.163 kΩ)
					θ (-89.998 °)	-90.209 ° ~ -89.787 °	(-90.003 °)
	100kΩ	100kHz	50mV	100pF	Z (15.9166 kΩ)	15.6989 kΩ ~ 16.1343 kΩ	(15.9221 kΩ)
					θ (-89.997 °)	-92.056 ° ~ -87.938 °	(-90.008 °)
			100mV	100pF	Z (15.9166 kΩ)	15.7860 kΩ ~ 16.0472 kΩ	(15.9227 kΩ)
					θ (-89.997 °)	-91.232 ° ~ -88.762 °	(-90.007 °)
			500mV	100pF	Z (15.9166 kΩ)	15.8557 kΩ ~ 15.9775 kΩ	(15.9210 kΩ)
					θ (-89.997 °)	-90.573 ° ~ -89.421 °	(-90.005 °)
	1V	100pF	Z (15.9166 kΩ)	15.8731 kΩ ~ 15.9601 kΩ	(15.9204 kΩ)		
			θ (-89.997 °)	-90.408 ° ~ -89.586 °	(-90.007 °)		
5V	100pF	Z (15.9166 kΩ)	15.8557 kΩ ~ 15.9775 kΩ	(15.9203 kΩ)			
		θ (-89.997 °)	-90.573 ° ~ -89.421 °	(-90.026 °)			
10nF	1MΩ	100Hz	1V	10nF	Z (159.108 kΩ)	158.584 kΩ ~ 159.632 kΩ	(159.116 kΩ)
					θ (-90.000 °)	-90.211 ° ~ -89.789 °	(-90.004 °)
	100kΩ	1kHz	1V	10nF	Z (15.9111 kΩ)	15.8854 kΩ ~ 15.9368 kΩ	(15.9126 kΩ)
					θ (-89.999 °)	-90.107 ° ~ -89.891 °	(-90.008 °)
	10kΩ	10kHz	1V	10nF	Z (1.59113 kΩ)	1.59015 kΩ ~ 1.59211 kΩ	(1.59122 kΩ)
					θ (-89.999 °)	-90.040 ° ~ -89.958 °	(-90.005 °)
	1kΩ	100kHz	1V	10nF	Z (159.101 Ω)	158.764 Ω ~ 159.438 Ω	(159.113 Ω)
					θ (-89.996 °)	-90.407 ° ~ -89.585 °	(-90.004 °)
	100Ω	200kHz	1V	10nF	Z (79.550 Ω)	79.3056 Ω ~ 79.7950 Ω	(79.5390 Ω)
					θ (-89.996 °)	-90.601 ° ~ -89.391 °	(-89.997 °)
1μF	10kΩ	100Hz	1V	1μF	Z (1.59130 kΩ)	1.58789 kΩ ~ 1.59471 kΩ	(1.59139 kΩ)
					θ (-90.000 °)	-90.111 ° ~ -89.889 °	(-90.004 °)
	1kΩ	1kHz	1V	1μF	Z (159.130 Ω)	158.873 Ω ~ 159.387 Ω	(159.151 Ω)
					θ (-89.998 °)	-90.089 ° ~ -89.907 °	(-90.006 °)
	100Ω	10kHz	1V	1μF	Z (15.9121 Ω)	15.8715 Ω ~ 15.9527 Ω	(15.9147 Ω)
					θ (-89.990 °)	-90.142 ° ~ -89.838 °	(-89.994 °)
	10Ω	100kHz	1V	1μF	Z (1.58210 Ω)	1.57315 Ω ~ 1.59105 Ω	(1.58223 Ω)
					θ (-89.865 °)	-90.881 ° ~ -88.849 °	(-89.892 °)

製造番号<Serial No.> (No. 150130501)
 検査年月日<Test Date> (2022-11-07)
 <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 表示値 <Indicated Value>	
50mΩ	100mΩ	DC	2V	50mΩ	Z (50.3380 mΩ)	46.74 mΩ ~	53.93 mΩ (50.23 mΩ)	
			1V	50mΩ	Z (50.3370 mΩ)	47.34 mΩ ~	53.33 mΩ (50.33 mΩ)	
	100kHz	1V	50mΩ	Z (-0.008 °)	-4.183 ° ~	4.168 ° (0.035 °)		
				Z (50.4016 mΩ)	48.01 mΩ ~	52.80 mΩ (50.44 mΩ)		
			θ (0.779 °)	-3.392 ° ~	4.950 ° (0.814 °)			
			θ (0.779 °)	-3.392 ° ~	4.950 ° (0.814 °)			
1pF	100MΩ	10kHz	1V	1pF	Z (15.9059 MΩ)	15.1079 MΩ ~	16.7039 MΩ (15.9237 MΩ)	
			θ (-89.993 °)	-93.810 ° ~	-86.176 ° (-90.027 °)			
	10MΩ	100kHz	1V	1pF	Z (1.59092 MΩ)	1.51109 MΩ ~	1.67075 MΩ (1.58973 MΩ)	
				θ (-89.989 °)	-93.807 ° ~	-86.171 ° (-90.059 °)		
	1MΩ	200kHz	501mV	1pF	Z (0.795461 MΩ)	0.735662 MΩ ~	0.855260 MΩ (0.796158 MΩ)	
				θ (-89.989 °)	-100.864 ° ~	-79.114 ° (-90.029 °)		
			1V	1pF	Z (0.795461 MΩ)	0.752723 MΩ ~	0.838199 MΩ (0.796301 MΩ)	
				θ (-89.989 °)	-97.761 ° ~	-82.217 ° (-90.047 °)		
			5V	1pF	Z (0.795461 MΩ)	0.735628 MΩ ~	0.855294 MΩ (0.796189 MΩ)	
				θ (-89.989 °)	-100.870 ° ~	-79.108 ° (-89.977 °)		
	10nF	1MΩ	100Hz	1V	10nF	Z (159.108 kΩ)	158.479 kΩ ~	159.737 kΩ (159.116 kΩ)
				θ (-90.000 °)	-90.254 ° ~	-89.746 ° (-90.004 °)		
100kΩ		1kHz	1V	10nF	Z (15.9111 kΩ)	15.8803 kΩ ~	15.9419 kΩ (15.9125 kΩ)	
				θ (-89.999 °)	-90.129 ° ~	-89.869 ° (-90.008 °)		
10kΩ		10kHz	1V	10nF	Z (1.59113 kΩ)	1.58995 kΩ ~	1.59231 kΩ (1.59119 kΩ)	
				θ (-89.999 °)	-90.049 ° ~	-89.949 ° (-90.005 °)		
1kΩ		100kHz	1V	10nF	Z (159.101 Ω)	158.697 Ω ~	159.505 Ω (159.111 Ω)	
				θ (-89.996 °)	-90.490 ° ~	-89.502 ° (-90.007 °)		
100Ω		200kHz	1V	10nF	Z (79.550 Ω)	79.2566 Ω ~	79.8440 Ω (79.5397 Ω)	
				θ (-89.996 °)	-90.722 ° ~	-89.270 ° (-90.002 °)		

製造番号<Serial No.> (No. 150130501)
 検査年月日<Test Date> (2022-11-07)
 <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 表示値 <Indicated Value>
50mΩ	100mΩ	DC	2V	50mΩ	Z (50.3380 mΩ)	45.84 mΩ ~ 54.83 mΩ	(50.33 mΩ)
				50mΩ	Z (50.3370 mΩ)	46.56 mΩ ~ 54.11 mΩ	(50.35 mΩ)
	100kHz	1V	50mΩ	θ (-0.008 °)	-5.262 ° ~ 5.247 °	(0.036 °)	
				Z (50.4016 mΩ)	45.41 mΩ ~ 55.40 mΩ	(49.72 mΩ)	
				θ (0.779 °)	-7.911 ° ~ 9.469 °	(1.292 °)	
1pF	100MΩ	10kHz	1V	1pF	Z (15.9059 MΩ)	14.5758 MΩ ~ 17.2360 MΩ	(15.9151 MΩ)
					θ (-89.993 °)	-96.355 ° ~ -83.631 °	(-90.040 °)
10MΩ	100kHz	1V	1pF	Z (1.59092 MΩ)	1.15848 MΩ ~ 2.02336 MΩ	(1.58117 MΩ)	
				θ (-89.989 °)	-110.670 ° ~ -69.308 °	(-90.039 °)	
10nF	1MΩ	100Hz	1V	10nF	Z (159.108 kΩ)	158.319 kΩ ~ 159.897 kΩ	(159.116 kΩ)
					θ (-90.000 °)	-90.318 ° ~ -89.682 °	(-90.004 °)
	100kΩ	1kHz	1V	10nF	Z (15.9111 kΩ)	15.8712 kΩ ~ 15.9510 kΩ	(15.9126 kΩ)
					θ (-89.999 °)	-90.167 ° ~ -89.831 °	(-90.008 °)
	10kΩ	10kHz	1V	10nF	Z (1.59113 kΩ)	1.58956 kΩ ~ 1.59270 kΩ	(1.59117 kΩ)
					θ (-89.999 °)	-90.065 ° ~ -89.933 °	(-90.004 °)
	1kΩ	100kHz	1V	10nF	Z (159.101 Ω)	158.259 Ω ~ 159.943 Ω	(159.083 Ω)
					θ (-89.996 °)	-91.025 ° ~ -88.967 °	(-90.003 °)
	100Ω	200kHz	1V	10nF	Z (79.550 Ω)	78.6936 Ω ~ 80.4070 Ω	(79.4838 Ω)
					θ (-89.996 °)	-92.113 ° ~ -87.879 °	(-89.992 °)

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 表示値 <Indicated Value>
50mΩ	100mΩ	DC	2V	50mΩ	Z (50.3380 mΩ)	44.34 mΩ ~ 56.33 mΩ	(50.42 mΩ)
				50mΩ	Z (50.3370 mΩ)	45.29 mΩ ~ 55.38 mΩ	(50.18 mΩ)
	100kHz	1V	50mΩ	θ (-0.008 °)	-7.037 ° ~ 7.022 °	(0.005 °)	
				Z (50.4016 mΩ)	42.41 mΩ ~ 58.40 mΩ	(48.29 mΩ)	
				θ (0.779 °)	-13.125 ° ~ 14.683 °	(2.523 °)	
1pF	100MΩ	10kHz	1V	1pF	Z (15.9059 MΩ)	13.9108 MΩ ~ 17.9010 MΩ	(15.8894 MΩ)
					θ (-89.993 °)	-99.536 ° ~ -80.450 °	(-90.089 °)
10nF	1MΩ	100Hz	1V	10nF	Z (159.108 kΩ)	158.055 kΩ ~ 160.161 kΩ	(159.117 kΩ)
					θ (-90.000 °)	-90.425 ° ~ -89.575 °	(-90.004 °)
	100kΩ	1kHz	1V	10nF	Z (15.9111 kΩ)	15.8571 kΩ ~ 15.9651 kΩ	(15.9125 kΩ)
					θ (-89.999 °)	-90.227 ° ~ -89.771 °	(-90.008 °)
	10kΩ	10kHz	1V	10nF	Z (1.59113 kΩ)	1.58897 kΩ ~ 1.59329 kΩ	(1.59114 kΩ)
					θ (-89.999 °)	-90.091 ° ~ -89.907 °	(-90.004 °)
	1kΩ	100kHz	1V	10nF	Z (159.101 Ω)	157.753 Ω ~ 160.449 Ω	(159.012 Ω)
					θ (-89.996 °)	-91.643 ° ~ -88.349 °	(-89.998 °)
	100Ω	200kHz	1V	10nF	Z (79.550 Ω)	78.0816 Ω ~ 81.0190 Ω	(79.3478 Ω)
					θ (-89.996 °)	-93.626 ° ~ -86.366 °	(-89.980 °)