

CALIBRATION CERTIFICATE

Certificate No.



J202607276787-0001-G2

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Client

Servico Nacional de Aprendizagem Industrial

Contact Inf.

Av. Assis Brasil, 8787 Bairro Sarandi, ZIP CODE 91140-001, Porto Alegre - RS, Brasil

Description

DCC Coupling Capacitor

Manufacturer

LISUN GROUP

Model/Type

DCC-100

Receipt Date

2026-08-01

Y M D

Serial No.

SO20260331A13

Cal. Date

2026-08-05

Y M D

Asset No.

Issued Date

2026-08-05

Y M D

Approved by

罗望初

luo wang chu

Inspected by

李时

li shi

Calibrated by

兰思良

lan si liang

(Stamp)

Headquarters Add.:

No.8, Chuangyun Road, Shiqi Town, Panyu District, Guangzhou, Guangdong, China

Add.of the Lab:

No.8, Chuangyun Road, Shiqi Town, Panyu District, Guangzhou, Guangdong, China

Tel.:400-602-0999

Postcode:511450

Website:http:// www.grgtest.com

E-mail:grgtest@grgtest.com



Scan

CheckCode: 610687

DIRECTIONS OF CALIBRATION

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1.The quality system is in accordance with ISO/IEC 17025:2017,the calibration results are traceable to the International System of Units (SI).

2.The result is only valid for the calibrated sample.The certificate shall not be reproduced except in full,without the written approval of our laboratory .please feedback to us within 15 days if you have any question.

3.Each certificate has a unique number. The suffix of "-Gx" will be added to the number as a replacement of the old version. The original certificate will be officially invalid once the new certificate number is issued.The modified certificate shall be based on the client content.

4.MPE & judgement result in the datasheet is only for reference , "P" is "Pass" , "F" is "Fail" and "N/A" is "Not Applicable".Whereas users should evaluate the effects of MU of calibration results on conformance assessment by actual measurement.

5.The traceability date of this instrument is the calibration date on this certificate.

6.Place and environmental conditions of the calibration:

Place: Changsha Metrology Electronics Room

Temperature: 21.6℃

Relative Humidity: 56%

7.Suggested calibration interval is 1 year or it can be altered depending on the actual usage of the user.

8.Reference document and accredited scope by CNAS for calibration, beyond which isn't accredited. Please see the attachment of certificate on CNAS website for details.

JJG 183-2017 标准电容器检定规程 (V.R. of Standard Capacitors) 电容: 10pF~1000μF(100Hz~100kHz) 损耗因数: 0.001~1.0(1kHz)

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9. Main Standards of Measurement Used in the Calibration.:

Description	Serial No.	Certificate No./ Due Date	Traceability Institute	Technique Character
RLC Digibridge	G1-18511144	DCjz2025-02271 2026-10-21	中国计量科学研 究院	0.02级

校 准 结 果
RESULTS OF CALIBRATION

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1、外观以及一般性检查: 正常

In view of External and Generality check : Pass

2、电容测量Capacitance Measurement(1kHz)

	标称值 Nominal (nF)	实测值 Measured (nF)	误差 Error (nF)	不确定度 $U_{rel}(k=2)$ (%)	允许误差 MPE (nF)	结 论 Conclusion (Pass/Fail)
up	100	117.27	-17.27	0.3	± 20.00	P
down	100	117.92	-17.92	0.3	± 20.00	P
	(pF)	(pF)	(pF)	(%)		
up	470	482.64	-12.64	0.3	± 94.00	P
down	470	488.07	-18.07	0.3	± 94.00	P
up	100	103.65	-3.65	0.3	± 20.00	P
down	100	107.41	-7.41	0.3	± 20.00	P

备注:

Notes:

结论(Conclusion): 所校项目符合技术要求

1.本报告给出的扩展不确定度是由合成标准不确定度乘以包含概率约为95%时对应的包含因子 k 得到的。

The extended uncertainty given in the report is obtained by multiplying the combined standard uncertainty by the coverage factor k corresponding to the inclusion probability of about 95%

2.依据(Reference document)

JJF 1059.1-2012 测量不确定度评定与表示

(JJF 1059.1-2012 Evaluation and Expression of Uncertainty in Measurement)

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