

TEST REPORT



REPORT NO: CTNT2502120020101

Product name: Laser diode module

Model No.: MT431-0A

Applicant: MXTLASER Technology Corporation

Test procedure: Type Test

Shenzhen Zhongwei Testing Technology Co., Ltd.



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TEST REPORT
IEC 60825-1**Safety of laser products –**
Part 1: Equipment classification and requirements**Report Number**: CTNT2502120020101**Date of issue**: February 19, 2025**Name of Testing Laboratory**
preparing the Report.....: Shenzhen Zhongwei Testing Technology Co., Ltd.
Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang
Street, Longgang District, Shenzhen, Guangdong, China
Tel: 086-13662574496
E-mail: admin@ctnt-cert.com
Web: www.ctnt-cert.com**Applicant's name**: MXTLASER Technology Corporation**Address**: 8F, Building 13, Sanchuang Science & Technology Park, Tanzhou
Town, Zhongshan, Guangdong, China**Manufacturer's name**: MXTLASER Technology Corporation**Address**: 8F, Building 13, Sanchuang Science & Technology Park, Tanzhou
Town, Zhongshan, Guangdong, China**Test specification:****Standard**: IEC 60825-1: 2014**Test procedure**: Type Test**Non-standard test method**: N/A**Test Report Form No.**: IEC60825_1G**Test Report Form(s) Originator**: OVE**Master TRF.....**: Dated 2021-10-05**General disclaimer:**

The test results presented in this report relate only to the object tested.

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The authenticity of this Test Report and its contents can be verified by contacting the CTNT, responsible for this Test Report.

Test item description: Laser diode module**Trademark.....**: N/A**Model/Type reference**: MT431-0A**Ratings**: 24V[~] 150mA

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Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
Laboratory Name	Shenzhen Zhongwei Testing Technology Co., Ltd.	
Testing location/ address:	Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China	
Tested by (Test Engineer)	Andrea Xie	
Reviewed by (Supervisor)	Oliver Long	
Approved by (Chief Engineer)	Flight Lee	
List of Attachments (including a total number of pages in each attachment) - Test data graph, Photo document		
Summary of testing:		
Tests performed (name of test and test clause): Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. According to the test of IEC 60825-1 Safety of laser products – Part 1 Equipment classification and requirements. This product complied with the requirements of Class 2.	Testing location: Shenzhen Zhongwei Testing Technology Co., Ltd. Room 1A106, 1/F., No.109, Lijia Road, Henggang, Henggang Street, Longgang District, Shenzhen, Guangdong, China Tel: 086-755-28680489 E-mail: admin@cntnt-cert.com Web: www.cntnt-cert.com	
Test item particulars		
Classification of installation and use:	transportable / portable / stationary / mobile/ fixed /- permanently installed / hand-held	
Supply Connection:	internally powered /- permanently installed /- appliance coupler / non-detachable cord /- detachable cord	
laser Class as defined in 3.44 and 3.18 through 3.24 of IEC 60825-1:2014:	Class 1, 1C, 1M, 2, 2M, 3R, 3B, or 4	
laser output (power or energy)	See below	
Accessories and detachable parts included in the evaluation	N/A	
Options included	N/A	

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