

Compact Iris Module with Integrated IR Functionality

This compact module provides precise aperture control. It also features integrated infrared (IR) functionality.



Overview

Compact Iris Module with Integrated IR

The VIRIS145 is a high-precision compact iris module designed for advanced optical and imaging applications. It features integrated IR functionality and precise aperture control, making it suitable for security systems and specialized optical equipment. With a robust design and reliable mechanical actuation, this module offers consistent performance in demanding environments.

Iris Specifications

Iris Voltage Range

3.3 V

Start Voltage

0.5 V

Close Voltage

Iris Resistance

Type	Resistance
Drive	190 Ω \pm 10%
Deboost	500 Ω \pm 10%

Maximum Effective Aperture

10.5 mm

IR & Sensor Specs

IR Voltage

3.5 V

Nominal IR Voltage

4 V

Max IR Voltage

IR Resistance

40 Ω \pm 7%

Hall Voltage Range

55mV - 135mV

S Parameter

-35% to 35%

Electrical Ratings

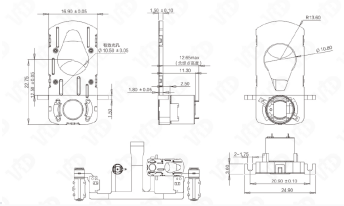
Maximum Output Voltage

6 V

Dimensions

型号	规格书	物料号	最大外径	材料	重量	包装数量	备注
VIRIS145	2021.12.16	01 16mm	Ø16.90 ±0.05	304L SUS	0.18g	10000	16mm (Ø16.90 ±0.05) 304L SUS 0.18g

规格参考 Specification



Technical diagram detailing the dimensions and electrical specifications of the VIRIS145 module.

Key Dimensions

- 16.90 ±0.05mm
- 22.75mm
- 12.50 ±0.05mm
- Effective Aperture: Ø10.50 ±0.05mm