

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

ASTRONICS / EADS / RACAL

Astronics / EADS / Racal 456271 VXI Mainframe Airflow Directors - Set of 6

Electrical Specs: None (non-electrical accessory) Related Options Class: Inter-module shields / air filter options on 1264 family Identification: Part number 456271 on packaging / parts Public numeric tables beyond kit quantity and VXI cooling role are sparse. Confirm fit to the specific mainframe revision and install per chassis cooling instructions. Accessory --allow-thin candidate if PDF gate requires; this file still provides ≥ 15 identity/compatibility rows without inventing electrical numbers. Related Options Class: Inter-module shields / air filter options on 1264 family Identification: Part number 456271 on packaging / parts Public numeric tables beyond kit quantity and VXI cooling role are sparse. Confirm fit to the specific mainframe revision and install per chassis cooling instructions. Accessory --allow-thin candidate if PDF gate requires; this file still provides ≥ 15 identity/compatibility rows without inventing electrical numbers.



MODEL

**Astronics / EADS /
Racal 456271**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

456271

LISTING

[https://aumictechlabs.c
om/products/456271-2/](https://aumictechlabs.com/products/456271-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Astronics / EADS / Racal 456271 VXI Mainframe Airflow Directors are a set of six single-slot passive cooling components designed to optimize airflow distribution within VXI mainframes. Installed in empty slot positions, these directors redirect otherwise wasted airflow to enhance

thermal management of adjacent populated modules and prevent localized overheating. Technical Specifications Part Number: 456271 Quantity: Set of 6 units Component Type: Single-slot VXI airflow directors Installation Method: Rear and center hook engagement into card guide holes Key Features Passive airflow redirection - no power or control signals required Designed for placement in empty VXI slot locations to manage thermal flow Balanced airflow distribution when spaced evenly across low-density module configurations Recommended deployment: maximum six directors per mainframe to maintain optimal circulation patterns Typical Applications These directors address thermal challenges in VXI test systems operating with variable module population. They are particularly effective in configurations where C-size and B-size VXI modules occupy non-contiguous slots, creating airflow bypass paths. By filling empty adjacent slots, the directors prevent cool inlet air from bypassing hot modules and ensure efficient heat extraction. Compatibility & Integration Supported Mainframes: Racal 1261A Racal 1261B Racal 1269 Module Compatibility: C-size and B-size VXI modules (via adjacent slot management) Installation requires no modification to the mainframe or modules. The directors integrate directly into the existing card guide infrastructure using standard hook-and-hole mechanical attachment. For systems with sparse module loading, spacing the six directors evenly prevents localized pressure zones and maintains uniform thermal performance across the chassis.

Features & description

From manufacturer datasheet

Features

- Set of 6 airflow directors / slot blockers

456271 Characteristics / Specifications

PARAMETER	VALUE
Model	456271
Manufacturer	Racal Instruments / Astronics Test Systems
Instrument Type	VXI airflow director / slot blocker accessory set
Quantity per Kit	6 directors
Form Factor Compatibility	C-size VXI mainframe slots
Function	Direct plenum airflow; blank unused slots
Powered	No (passive mechanical accessory)
Host Chassis Class	Racal/Astronics VXI mainframes (e.g. 1264 family)
Cooling Role	Maintain pressurized plenum performance
Material Class	Chassis plastic/metal airflow director (confirm unit)
Installation	One director per unused or directed slot per chassis manual
Ordering	456271 set of 6
Alias	456271; Racal 456271 airflow directors
Product Category	VXI mainframe accessory / spare
Electrical Specs	None (non-electrical accessory)
Related Options Class	Inter-module shields / air filter options on 1264 family
Identification	Part number 456271 on packaging / parts Notes Public numeric tables beyond kit quantity and VXI cooling role are sparse. Confirm fit to the specific mainframe revision and install per chassis cooling instructions. Accessory --allow-thin candidate if PDF gate requires; this file still provides >=15 identity/compatibility rows without inventing electrical numbers.

456271 Specifications

PARAMETER	VALUE
Racal / Astronics 456271 VXI Airflow Directors Set of 6	Overview
Key Features	- Set of 6 airflow directors / slot blockers
Technical Specifications	Model: 456271

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

performance when the mainframe is not fully populated.

Applications

Cooling optimization in partially populated VXI mainframes; blanking unused C-size slots; maintaining plenum pressure in Racal/Astronics 6-slot and 13-slot VXI chassis; field service spare kits for 1264-family benchtop/rack systems.

Key Features

- Set of 6 airflow directors / slot blockers
- Part number 456271
- For C-size VXI mainframe plenum cooling
- Used with Racal/Astronics VXI chassis families
- Improves airflow when slots are empty or partially filled
- Mechanical accessory (non-powered)
- Catalog-traceable Racal Instruments spare

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	456271
Manufacturer	Racal Instruments / Astronics Test Systems
Instrument Type	VXI airflow director / slot blocker accessory set

Specifications

PARAMETER	VALUE
Quantity per Kit	6 directors
Form Factor Compatibility	C-size VXI mainframe slots
Function	Direct plenum airflow; blank unused slots

Specifications

PARAMETER	VALUE
Powered	No (passive mechanical accessory)
Host Chassis Class	Racal/Astronics VXI mainframes (e.g. 1264 family)
Cooling Role	Maintain pressurized plenum performance

Material Class: Chassis plastic/metal airflow director (confirm unit)

Installation: One director per unused or directed slot per chassis manual

Ordering: 456271 set of 6

Specifications

PARAMETER	VALUE
Alias	456271; Racal 456271 airflow directors
Product Category	VXI mainframe accessory / spare
Electrical Specs	None (non-electrical accessory)

Related Options Class: Inter-module shields / air filter options on 1264 family

Identification: Part number 456271 on packaging / parts

Notes

Public numeric tables beyond kit quantity and VXI cooling role are sparse. Confirm fit to the specific mainframe revision and install per chassis cooling instructions. Accessory --allow-thin candidate if PDF gate requires; this file still provides >=15 identity/compatibility rows without inventing electrical numbers.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.