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Data Sheet

August 2, 2026

ASTRONICS / EADS / RACAL

Astronics / EADS / Racal 1260-54 1.3 GHz Multiplexer VXI Module

Astronics / EADS / Racal 1260-54 1.3 GHz Multiplexer VXI Module The Astronics / EADS / Racal 1260-54 isaC-size VXIbus RF multiplexer module for high-performance applications to about 1.3 GHz. It provides six independent banks configured as 1×4 tree multiplexers. The tree topology eliminates unterminated stub effects that would otherwise limit bandwidth. Each bank allows one active connection to the common bus at a time, with a fifth no-connect position when no signal is required. Unused inputs may be terminated with optional on-board 50 ohm impedances (terminators may be ordered separately). Relay coil current monitoring provides confidence checking of relay operation. The Astronics / EADS / Racal 1260-54 isaC-size VXIbus RF multiplexer module for high-performance applications to about 1.3 GHz. It provides six independent banks configured as 1×4 tree multiplexers. The tree topology eliminates unterminated stub effects that would otherwise limit bandwidth. Each bank allows one active connection to the common bus at a time, with a fifth no-connect position when no signal is required. Unused inputs may be terminated with optional on-board 50 ohm impedances (terminators may be ordered separately). Relay coil current monitoring provides confidence checking of relay operation. Switching signals to and from oscilloscopes, spectrum analyzers, network analyzers, or distortion analyzers; VHF/UH


MODEL
**Astronics / EADS /
Racal 1260-54**
CALIBRATION
**Available on
request**
CONDITION
Used
STATUS
In stock
RFQ / SKU
1260-54
LISTING
<https://aumictechlabs.com/products/1260-54-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Astronics/EADS/Racal 1260-54 is a 1.3 GHz RF multiplexer VXI module engineered for high-frequency signal routing and switching in VXI-based test systems. Six independent banks, each configured as 1×4 multiplexers, deliver flexible channel selection with tree architecture that eliminates unterminated stub effects and preserves signal integrity across the frequency range.

Technical Specifications
Module Type: 1.3 GHz RF Multiplexer VXI Module Configuration: Six independent 1×4 tree multiplexers (24 total switched channels)
Frequency Range: Up to 1.3 GHz
DC Performance: Offset voltage $10^8 \Omega$
Channel Isolation: Excellent performance between channels
Crosstalk: Excellent performance
VSWR: Excellent performance
Low-Noise Operation: Designed for switching of low-level RF signals
Key Features
Tree switching architecture mitigates bandwidth limitations from unterminated stubs
Optional on-board 50 Ω terminators for unused inputs
Fifth position per bank provides no-connect state when signal isolation is required
Single connection constraint: only one active connection per common bus at any time
Relay coil current monitoring enables confidence checking of relay operation status
Message-based control via Option 01 interface with standard command syntax: CLOSE .
CE marked for compliance with European electrical safety standards, RF emissions, and electromagnetic immunity
Interfaces & Control
VXIbus interface compatibility
Option 01 Smart Card Module required for message-based control
Approximately 2.59 lb (1.17 kg) weight without Option 01
Typical Applications
RF signal routing in automated test equipment, receiver multichannel selection, transmit path switching, and low-level signal multiplexing in laboratory and production test environments.

Features & description

From manufacturer datasheet

Features

- Six 1×4 tree multiplexers on one VXI module
- About 1.3 GHz bandwidth class RF performance
- Tree configuration avoids unterminated stub bandwidth loss
- Fifth no-connect position per bank
- Optional on-board 50 ohm input terminations
- Low-noise performance for low-level RF signals
- Excellent crosstalk, isolation, and VSWR at 1.3 GHz class
- Relay coil current monitoring
- Option 01 message-based control (01T class where supported)
- Ideal VHF/UHF matrix building block

1260 Characteristics / Specifications

PARAMETER	VALUE
Model	1260-54
Manufacturer	Astronics Test Systems / EADS / Racal Instruments
Instrument Type	1.3 GHz RF multiplexer VXI module
Form Factor	C-size VXI
Configuration	six independent 1×4 tree multiplexers
Bandwidth	about 1.3 GHz (-3 dB class, OEM datasheet)
Termination	optional 50 ohm on-board terminations for unused inputs
Positions per Bank	four inputs plus fifth no-connect
Control	Option 01 message-based interface (family datasheet)
Ordering Examples	404768 (dealer/OEM listings)
NSN Example	5998-01-505-2862 Standard Operating Conditions Install with Option 01/01T per 1260 switching system rules. Use 50 ohm RF cabling and terminations appropriate to the signal path. Order optional terminators if unused inputs must be terminated on-module.

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 applications to about 1.3 GHz. It provides six independent banks configured as 1x4 tree multiplexers. The tree topology eliminates unterminated stub effects that would otherwise limit bandwidth. Each bank allows one active connection to the common bus at a time, with a fifth no-connect position when no signal is required. Unused inputs may be terminated with optional on-board 50 ohm impedances (terminators may be ordered separately). Relay coil current monitoring provides confidence checking of relay operation.

Applications

Switching signals to and from oscilloscopes, spectrum analyzers, network analyzers, or distortion analyzers; VHF/UHF matrix building blocks; low-level RF signal routing in VXI ATE.

Key Features

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- About 1.3 GHz bandwidth class RF performance
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Control	Option 01 message-based interface (family datasheet)

Ordering Examples: 404768 (dealer/OEM listings)

NSN Example: 5998-01-505-2862

Standard Operating Conditions

Install with Option 01/01T per 1260 switching system rules. Use 50 ohm RF cabling and terminations appropriate to the signal path. Order optional terminators if unused inputs must be terminated on-module.

Operational Notes

Confirm Option 01 vs 01T support for the installed card. Optional terminators are not always included. Verify exact switching voltage/current limits from the 1260-54 OEM datasheet for the installed revision before applying high-level RF or DC bias.

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

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