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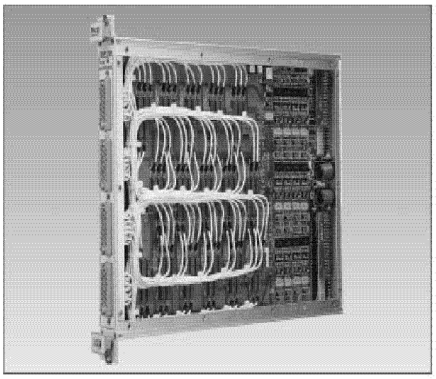
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Find the *Astronics / EADS / Racal 1260-75B* at our website: *Click HERE*

RACAL INSTRUMENTS™ 1260-75A/B



100 MHz RF Multiplexer

- **1260-75A Configurable as:**
  Eight 1x4
  Two 1x19
  Four 1x9
  One 1x39
- **1260-75B Configurable as:**
  Sixteen 1x4
  Two 1x39
  Eight 1x9
  One 1x79
  Four 1x19
- **100MHz Bandwidth, Useable over 200MHz with Excellent Crosstalk and Isolation Specs**
- **Software Configurable**
- **Coaxial Interfaces**

Racal Instruments™ 1260-75 is ideal for switching wideband signals up to 200MHz. It is intended for use with function/pulse generators, universal counter/timers, oscilloscopes and other instruments where high frequency or fast pulse signals are switched. A major application is in the switching of video signals.

The 1260-75A consists of eight 1x4 75Ω multiplexers and the 1260-75B consists of sixteen 1x4 75Ω multiplexers. These multiplexers are bi-directional and configurable via software. This makes reconfiguration very easy and eliminates the need to disassemble the module.

The coaxial connector housing (shell) is supplied with the 1260 75A/B. Coaxial pins and cables for this module are also offered. Coaxial cables have been tested up to a 1GHz bandwidth and are available in 2, 6 and 12 foot lengths with a coaxial pin at each end.

Relay coil currents are monitored to provide selectable confidence checking which gives the user additional assurance of proper relay operation.

The 1260-75 is controlled by the Option 01 message-based interface.

EADS NORTH AMERICA DEFENSE

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1260-75 PRODUCT SPECIFICATIONS

Maximum Switchable Voltage
(Signal-Signal Ground, Resistive Load)
200VDC or VAC peak

Maximum Switchable Current Per Channel
0.5A DC, 0.5A AC peak

Maximum Carry Current
1ADC, 1A AC peak

Maximum Switchable Power Per Channel
10WDC, 10VA, 10W RF into 75Ω

DC PERFORMANCE

Path Resistance
≤2 Ω

AC PERFORMANCE (into 75Ω)

Insulation Resistance
2 x 109Ω

Thermal EMF
<75μv

Bandwidth (-3dB)
100MHz

Crosstalk
10MHz: -50dB
100MHz: -35dB

Isolation
10MHz: >40dB
100MHz: >35dB

VSWR
Less than 1.5:1 at 100MHz

Rise/Fall Time (Typical)
3.5ns

Capacitance
<50pF

Propagation Delay Time (Typical)
5ns (within group)

Cooling Requirements
Airflow: 1.0 liters/sec
Backpressure: 0.05mm H_20
With Option 01S/T
Airflow: 2.0 liters/sec
Backpressure: 0.2mm H_20

VXIBUS INTERFACE DATA

Power Requirements
+5V: 0.4A (2.8A with Option 01 installed)
+12V: 0.34A

Weight
2.49lb (1.17kg) without Option 01
2.87lb (1.29kg) with Option 01

Dimensions
C-size, Single-slot VXIbus Module

Life Expectancy
$250x10^6$ Operations
(Signal <1.0V, 10mA)

User Connector: GMCT
Crimp Shielded Contact from Positronics or available from our facility - see ordering information below

Typical Programming Syntax
Programming Syntax is in the form
"<module address> . <channels>"
Example: CLOSE 3.04
This close statement will close relay number 4 on 1260-75 at card address 3.

The CE Mark indicates that the product has completed and passed rigorous testing in the area of RF Emissions, Immunity to Electromagnetic Disturbances and complies with European electrical safety standards.

ORDERING INFORMATION

MODEL/DESCRIPTION	PART NUMBER
Racal Instruments 1260-75B, 100MHz RF Multiplexer (Sixteen 1x4)	407366-002
Option 01*, Smart Control Module (installed)	OPT-401901-005
Coax Pin for 1260-75A/B	602220-900
1GHz Cables with connectors at each end for 1260-75A/B, 2ft. (-003, 6ft./-006, 12ft.)	407363-001
Crimp Tool for Coaxial Pin, Order directly through Burndy, Norwalk, CT.	Contact Factory

The EADS North America Defense Test and Services policy is one of continuous development, consequently the equipment may vary in detail from the description and specification in this publication.

EADS North America Defense Test and Services
1.800.722.2528/1.949.859.8999 sales@eads-nadefense.com

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