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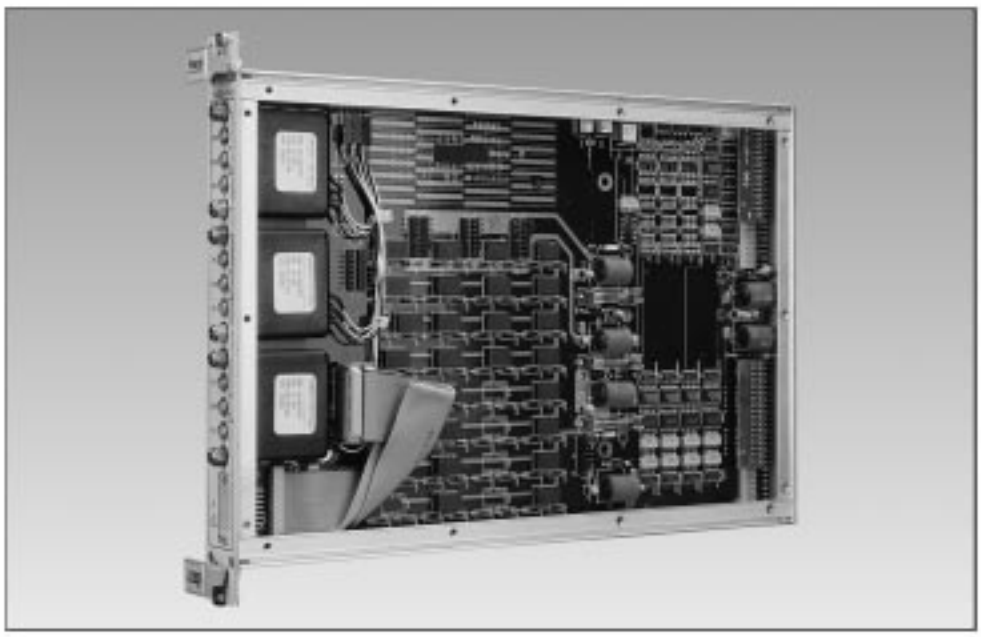
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Find the *Astronics / EADS / Racal 1260-60B* at our website: *Click HERE*

Microwave Switch
Model 1260-60A/B



- **DC to 18GHz**
- **Three SPDT, 50Ω Coaxial Switches**
- **External 50Ω Terminations (1260-60B)**
- **Direct SMA Front Panel Connections**
- **An Additional 24 SPST Relays to Drive External Devices**

The Model 1260-60 is ideal for microwave applications. All connections are made directly to the SMA relay inputs at the front panel. This allows individual coaxial switches to be configured to provide multiplexer and matrix networks while minimizing interconnection path lengths.

The 1260-60 can be used for switching sensitive high frequency instruments while minimizing signal distortion and loss.

The 1260-60B adds terminations that keeps the impedance of unused inputs properly matched.

The Model 1260-60 also contains 24 SPST relays in groups of 12 to drive external devices. These relays can utilize the internal supplies (+5V, +12V, +24V) or an external supply to drive any device.

Relay coil currents of the microwave switches are monitored to provide user-selectable confidence checking. This provides additional assurance of proper relay operation.

The 1260-60 is controlled by the Option 01 message-based interface which is explained in detail on the Smart Card Module page. All 1260 control features explained on that page are available to this module.

For your local Racal Instruments Sales Office see page 173.

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1260-60A/B Specifications

MICROWAVE PERFORMANCE (into 50Ω)

Frequency Range
DC to 18GHz

RF Impedance
50Ω nominal

Maximum Power Per Channel
100MHz: 400W
1GHz: 150W
10GHz: 50W
18GHz: 40W

RF PERFORMANCE

Frequency Range (GHz)	DC-4	4-8	8-12	12-18
VSWR	1.2:1	1.3:1	1.4:1	1.5:1
Insertion Loss (dB max)	0.2	0.3	0.4	0.5
Isolation (dB min)	80	70	60	60

24-CHANNEL DC PERFORMANCE

Maximum Switchable Voltage
(Terminal-Terminal or Terminal-Chassis)
30VDC

Number of Banks
2

Number of Switches per Bank
12, 1-wire

Maximum Switchable Current
(DC or AC rms)
Per Bank: 2A

Maximum Switchable Power
Per Module: 30WDC, 62.5VA
Operating Mode; Normally Open

VXIbus INTERFACE DATA

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

Power Requirements (I_{pm})
+5V: 0.4A (2.8A with Opt. 01 installed)
+12V: 60mA per mW relay (-60A)
130mA per mW relay (-60B)
+24V: 10mA per relay (energized)

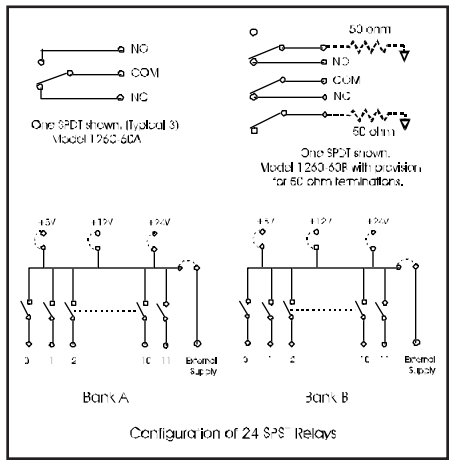
Weight
3.7 lb (1.678 kg) without Option 01
4.0 lb(1.814 kg) with Option 01

Dimensions
C-size, Single-slot VXIbus Module

User Connector
SMA (not supplied)

Typical Programming Syntax
Programming syntax is in the form: "<module address>.<bank><relay>"
Example: CLOSE 1.001
This statement will close relay number 1 in bank number 0 on the 1260-60 at card address 1.

CE 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.



1260-60
Microwave switch module configured as three SPDT channels.

ORDERING INFORMATION

Model	Description	Part Number
1260-60A	18GHz Microwave Switch	407157-001
1260-60B	18GHz Microwave Switch w/terminations	407157-002
601855-034	34-Pin Connector, Body Part	601855-034
601857	Connector Solder Type Pin	601857
Option 01*	Smart Card Module (installed)	OPT-401901-005

*One Option 01 must be ordered with switch system. Please specify the card on which Option 01 will be installed.

WORLDWIDE SUPPORT

http://www.racalinst.com

LLOYD'S REGISTER QUALITY ASSURANCE ISO9001

VXI plug&play

For your local Racal Instruments Sales Office see page 173.

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