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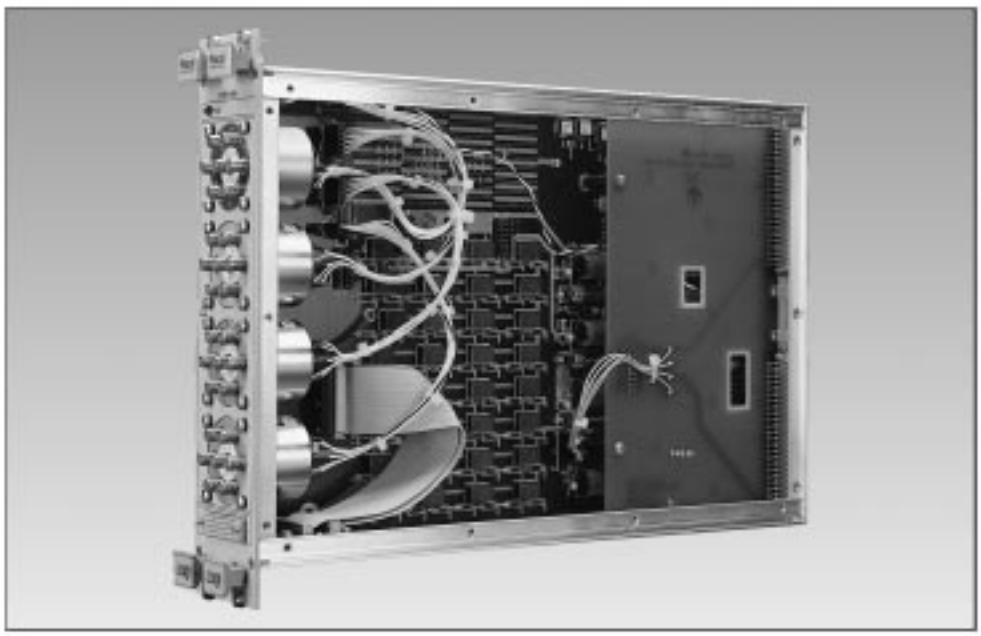
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Find the *Astronics / EADS / Racal 1260-64A* at our website: ***Click HERE***

Microwave Switch
Model 1260-64



- **Double-slot, C-size, Message-based VXIbus Module**
- **DC to 18GHz**
- **Up to Four SP6T, 50Ω Coaxial Switches**
- **Direct SMA Front Panel Connections**
- **An Additional 32 SPST Relays to Drive External Devices**
- **Optional Terminated Relays Available**

The Model 1260-64 is ideal for high-density microwave applications. This module provides a low-noise environment for microwave signals. All connections are made directly to the SMA relay inputs at the front panel. Larger switching configurations can be configured using multiple modules.

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

The Model 1260-64 contains 32 SPST relays in groups of 16 to drive external devices. These relays can utilize the internal supplies (+5V, +12V, +24V) or an external supply to drive any device.

The 1260-64 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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1260-64 Specifications

MICROWAVE PERFORMANCE

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-3	3-8	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

Switching Sequence
Break before make

32-CHANNEL DC PERFORMANCE

Maximum Switchable Voltage
(Terminal-Terminal or Terminal-Chassis)
From external Supply: 30VDC

Number of Banks
Two

Number of Switches
16, 1-wire per bank

Maximum Switchable Current
(DC or ACrms)
Per Bank: 4A
Per Switch: 0.5A

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 Option 01 installed)
+12V: 320mA per microwave relay (energized)
+24V: 10mA per SPST relay (energized)

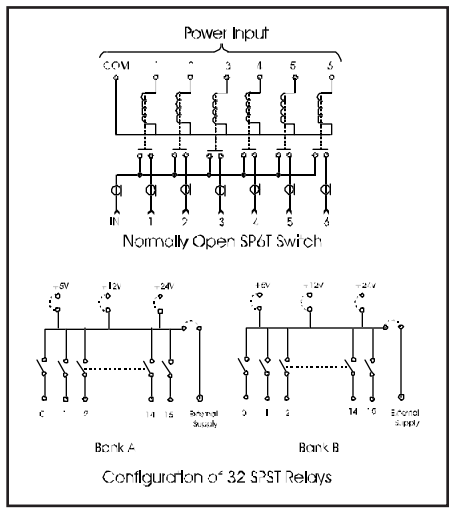
Weight
5.0 lb (2.25 kg) without Option 01
5.28 lb (2.38 kg) with Option 01

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 2.109
This statement will close relay number 9 in bank number 1 on the 1260-64 at card address 2.

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.



1260-64
Microwave switch module configured as one, two or four SP6T channels.

ORDERING INFORMATION

Model	Description	Part Number
1260-64A	Four SP6T Microwave Switches, 18 GHz	407089
1260-64B	Two SP6T Microwave Switches, 18 GHz	407089-001
1260-64C	One SP6T Microwave Switch, 18 GHz	407089-002
Option 01*	Smart Card Module (installed)	OPT-401901-005
601855-050	50-Pin Connector Body Part	601855-050
601857	Solder Type Pin	601857

*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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