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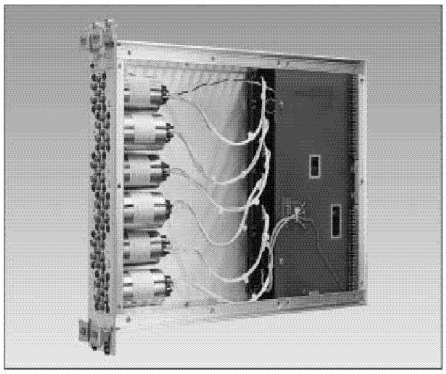
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Find the *Astronics / EADS / Racal 1260-66A* at our website: ***Click HERE***

RACAL INSTRUMENTS 1260-66



Microwave Switch

- **High Density Microwave Switch**
- **Double-slot, C-size, Message-based VXIbus Module**
- **DC to 18GHz**
- **Provides Ultra High Density for RF and Microwave Switching Requirements**
- **2, 4 or 6 SPST, 50Ω Coaxial Switches**
- **Direct SMA Front Panel Connections**

Racal Instruments™ 1260-66 is ideal for high-density microwave applications. This module provides a low-noise environment for microwave signals. All connections are made directly to the high performance SMA relay inputs at the front panel offering the ultimate signal integrity. Larger switching configurations can be configured using multiple modules.

The high power capability and frequency range of the 1260-66 make it ideal for use in several microwave test applications.

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

The 1260-66 is controlled by the Option 01 message-based interface.

EADS NORTH AMERICA DEFENSE

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1260-66 PRODUCT SPECIFICATIONS

MICROWAVE PERFORMANCE

Frequency Range
DC to 18 GHz

RF Impedance
50 Ω nominal

Maximum Power Per Channel
4 GHz: 70 W
12.4 GHz: 40 W
18 GHz: 30 W

Switching Sequence
Break before make

VXIBUS INTERFACE DATA

Cooling Requirements (at sea level)
Airflow: 1.0 liters/sec
Backpressure: 0.05 mm H_20

With Option 01S/T
Airflow: 2.0 liters/sec
Backpressure: 0.2 mm H_20

Power Requirements (I_{pm})
+5 V: 0.4 A (2.8 A with Option 01 installed)
+12 V: 300 mA per μ W relay (energized)

RF Performance

Frequency Range (GHz)	DC-4	4-12.4	12.4-18
VSWR	1.25:1	1.40:1	1.50:1
Insertion Loss (dB max)	0.2	0.3	0.4
Isolation (dB min)	60	60	60

Dimensions
C-size, Dual-slot VXIbus Module

User Connector
SMA male (not supplied)

ENVIRONMENTAL DATA

Temperature
Operating: 0° C to 55° C
Storage: -55° C to 75° C

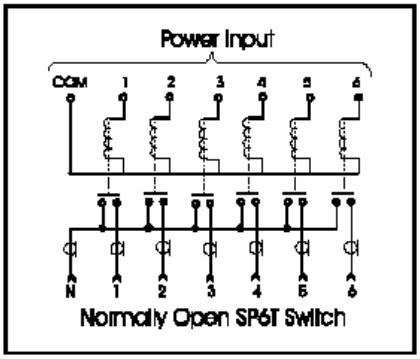
Humidity
95%, non-condensing

Altitude
15,000 ft.

Weight
6.0 lb (2.7 kg) without Option 01
6.28 lb (2.82 kg) with Option 01

TYPICAL PROGRAMMING SYNTAX

Programming syntax is in the form:
"<module address>.<relay no.> <pole no.>"
Example: CLOSE 2.10
This statement will close pole 0 of relay 1 on the 1260-66 at address 2.



1260-66
Microwave switch module configured as two, four or six SP6T channels.

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 1260-66A, Six SP6T Microwave Switches, 18GHz 64x64 Switching Matrix	407499-001
Racal Instruments 1260-66B, Four SP6T Microwave Switches, 18GHz	407499-002
Racal Instruments 1260-66C, Two SP6T Microwave Switch, 18GHz	407499-003
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

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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