SPDT Reflective Switches With Drivers

2664 Series

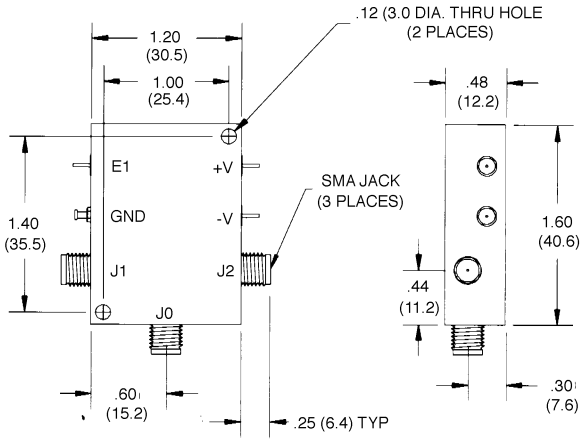
V2.00

Features

- Broadband Frequency Ranges
- Environmentally Sealed
- TTL Compatible
- Small Size

Description

M/A-COM's diode switches cover instantaneous multi-octave bandwidths from UHF to Ku-band. M/A-COM's capability in both semiconductor and digital circuit technology allows considerable flexibility in the tradeoffs of power, speed, RF parameters and drivers. Typical insertion loss, VSWR, and isolation curves are shown below.



Environmental

These devices are designed to meet the following conditions:

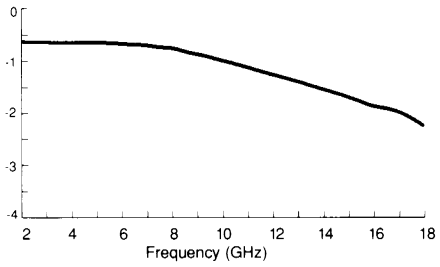
Test	MIL-STD	Method	Cond
Temperature Cycle	883	1010	C
Const. Acceleration	883	2001	A
Vibration	202	214	
Solvent Resistance	883	2015	
Salt Spray	202	101	A
Moisture Resistance	202	106	

Maximum Ratings

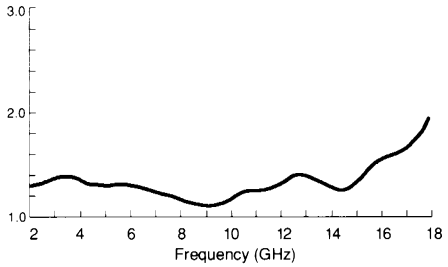
Storage Temp.	-65°C to +125°C
Operating Temp.	-55°C to +95°C

Typical Performance Data 2664-1015-XY

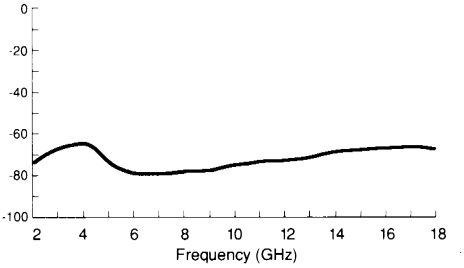
Insertion Loss (dB)



VSWR



Isolation (dB)



Manufactured in USA. European manufactured version also available. Contact your local M/A-COM Sales Representative.

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Specifications 25°C

Frequency Range (GHz)	Insertion Loss (dB)	VSWR	Isolation (dB)	Transition Time (nS)	Switching Speed (nS)	Operating Power (W)	Part Number
0.5-2.0	1.1	1.40:1	60	15	30	0.1	2664-1003-00
2-8	1.5	1.60:1	60	15	30	0.1	2664-1007-00
6-18	2.6	2.00:1	55	15	30	0.1	2664-1011-00
2-18	2.8	2.00:1	55	15	30	0.1	2664-1015-00

Notes:
I . Bias: +5V ±0.5V @ 90 mA Typ.
-12V ±0.5V @ 90 mA Typ.
2. Logic "0" for low loss J^0 - J^1
3. Transition Time measured from 10% to 90% of detected RF.
4. Switch Speed measured from 50% TTL to 10%/90% detected RF.
5. Single input control.
6. Separate input control available as special.
7. Consult factory for other bias voltages or logic connector options.

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