



SPST Reflective Switch Modules

2951 Series

Features

- Broadband Frequency Ranges
- Hermetic Package
- Stripline Compatible
- Compact Size

Description

M/A-COM's switch modules cover multi-octave bandwidths from UHF to Ku-band. M/A-COM's expertise in semiconductor technology and design techniques results in devices having unique advantages that allow them to satisfy a variety of microwave system requirements.

Screening

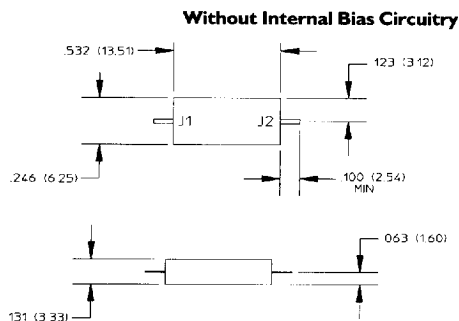
Optional screening can be performed in accordance with the following sequence:

Test	MIL-STD	Method	Cond
Non-Destructive Bond Pull	883	2023	
Internal Visual	M/A-COM	QCP	QAP409
Stabilization Bake	883	1008	B
Thermal Cycle	883	1010	B
Constant Acceleration	883	2001	A (Y1 Axis)
Burn-in	883	1015	125°C
Seal	Fine	883	1014 AI
	Gross	883	1014 CI
External Visual	883	2009	

Maximum Ratings

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

Mechanical Outline (Top View)



±.002
Leads are .012 (.31) diameter (std.).
±.010 ±.002
May be supplied as tabs: .025 (.64) Wide, .006 (.15) Thick (opt.).
Contact factory.

Specifications Subject to Change Without Notice.

M/A-COM Inc. ■ 1011 Pawtucket Boulevard, Lowell, MA 01853 USA

■ Telephone: 800-366-2266

Typical Specifications 25°C

Without Internal Bias Circuitry

Frequency Range (GHz)	Insertion Loss (dB)	VSWR	Isolation (dB)	Switching Speed (nS)	Power Handling (W)	Part Number
0.5-2.0	0.6	1.5:1	40	15	1.0	2951-2001
2.0-8.0	0.9	1.7:1	50	15	1.0	2951-2002
6.0-18.0	1.4	1.9:1	55	15	1.0	2951-2003

Notes:

1. Bias: -10V for specified loss
+30mA for specified isolation
2. Switching speed is measured from 10%-90% and 90%-10% of the detected RF with a 2 MHz maximum switching rate.
3. Switching speed is measured with a standard M/A-COM driver.
4. Operating power is 100 mW maximum.

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