

<del>- 查询"2959-1001"供应商</del>

# **SP4T Reflective Switch Modules**

## 2959 Series

#### **Features**

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

#### **Description**

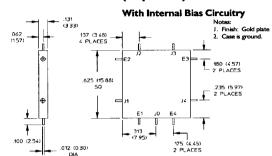
M/A-COM 's switch modules cover multi-octave bandwidths from UHF to Ku-band. M/A-COM's expertise in semiconductor technology and design techniques results in devices having unique advantages that allow them to satisfy a variety of microwave system requirements.

### **Screening**

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

Test		MIL-STD	Method	Cond	
Non-De	structive				
Bond Pull		883	2023		
Internal Visual		M/A-COM	QCP	QAP 409	
Stabilization Bake		883	1008	В	
Thermal Cycle		883	1010	В	
Constant Acceleration		883	2001	A (YI Axis)	
Burn-in		883	1015	125°C	
Seal	Fine	883	1014	Al	
	Gross	883	1014	CI	
External Visual		883	2009		

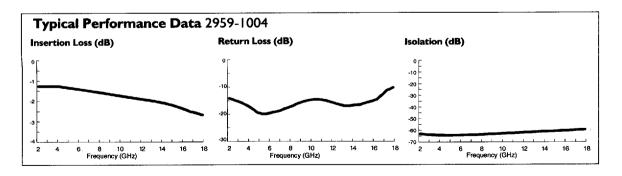
## Mechanical Outline (Top View)



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

## **Maximum Ratings**

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



Specifications Subject to Change Without Notice

M/A-COM Inc.

1011 Pawtucket Boulevard, Lowell, MA 01853 USA

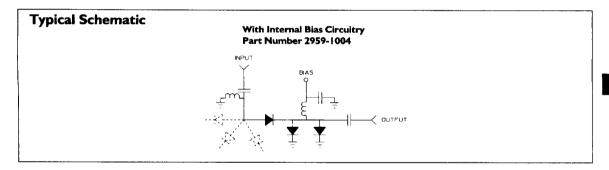
Telephone: 800-366-2266

With Internal Bias Circuitry

Frequency Range (GHz)	Insertion Loss (dB)	VSWR	Isolation (dB)	Switching Speed (nS)	Power Handling (W)	Part Number
0.5-2.0	1.2	1.5:1	40	20	0.5	2959-1001
2.0-8.0	1.8	1.8:1	50	20	0.5	2959-1002
0.81-0.6	2.7	2.0:1	40	20	0.5	2959-1003
2.0-18.0	2.9	2.0:1	40	20	0.5	2959-1004

#### Notes:

- 1. Bias: -30mA for specified loss
  - +30mA/Arm 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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