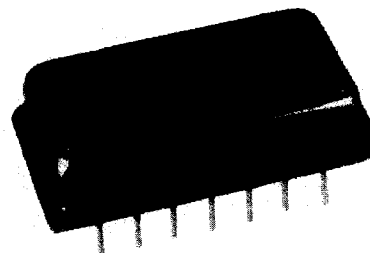




MODEL SW-111

# SPST RF SWITCH 5-2000 MHz

Ultra Broadband  
High Isolation — 80 dB Typical  
Integral TTL Driver  
Hermetic Package



## Guaranteed Specifications\*

(From -55°C to +85°C)

<b>Frequency Range</b>	5-2000 MHz	
<b>Insertion Loss</b>	5-2000 MHz	2.0 dB Max
	5-1000 MHz	1.8 dB Max
	10-500 MHz	1.6 dB Max
<b>VSWR</b>	5-2000 MHz	1.5:1 Max
	5-1000 MHz	1.2:1 Max
<b>Isolation</b>	5-2000 MHz	50 dB Min
	5-1000 MHz	60 dB Min
	5-500 MHz	70 dB Min

## Operating Characteristics

**Impedance** 50 Ohms Nominal

### Switching Characteristics

t <sub>ON</sub>	2.0 μS Typ
t <sub>OFF</sub>	1.0 μS Typ
Transients (In-Band)	40 mV Typ

**Input Power for 1 dB Compression** +13 dBm Typ

### Intermodulation Intercept Point (for two-tone input power up to +5 dBm)

Second Order	+60 dBm Typ
Third Order	+30 dBm Typ

**Bias Power** +9 to +15 VDC @ 35 mA Max  
-5 VDC ± 5% @ 35 mA Max  
(450 mW Typical)

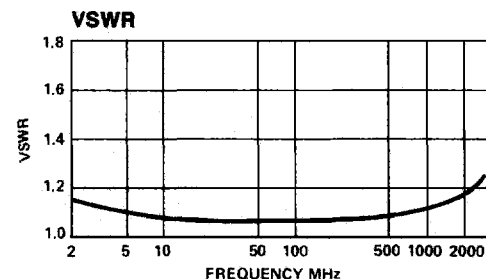
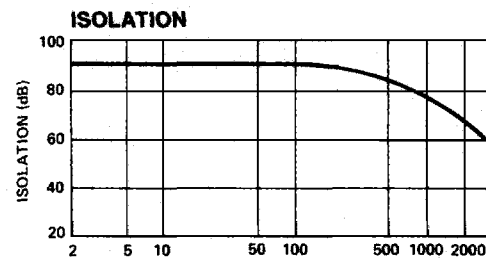
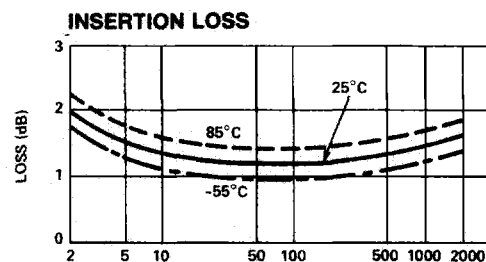
**Package Type** Dual Inline (DI-1)  
(See page 480 for physical dimensions.)

### Environmental

These units are designed to meet the environmental and screening requirements of Table 1B, page 497 of the Adams-Russell catalog.

\*All specifications apply when operated with bias voltages of +12 VDC and -5 VDC (±5%) and 50 ohm impedance at all RF ports.

## Typical Performance



## Truth Table

TTL CONTROL INPUT "1" = TTL LOGIC HIGH	CONDITION OF SWITCH RF1 TO RF2
0	OFF
1	ON

## Ordering Information

Model No.	Part No.	Connectors	Unit Price (5-9 Units)
SW-111	9429	Pin	\$230

Delivery is from stock.

# ANZAC

## Make the Connection...

80 Cambridge Street, Burlington, MA 01803 Fax (617) 273-1921

# Adams Russell

COMPONENTS GROUP

For Technical Information, Call (617) 273-3333

For Ordering Information, Call (617) 273-3333