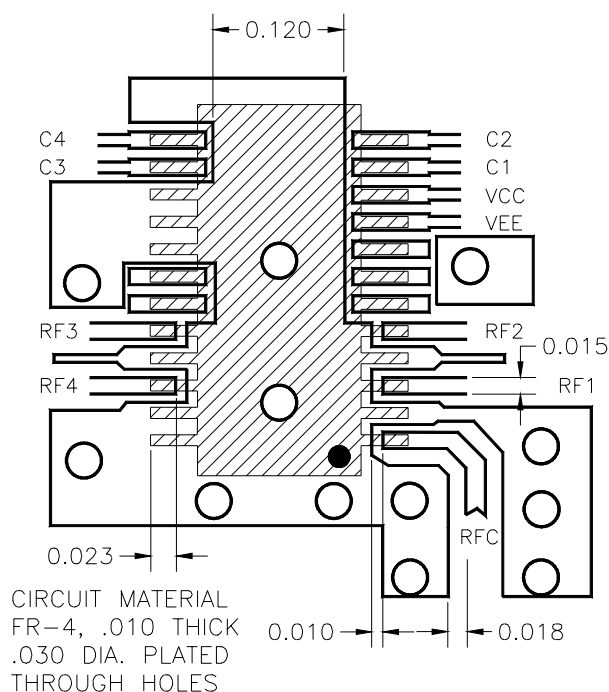
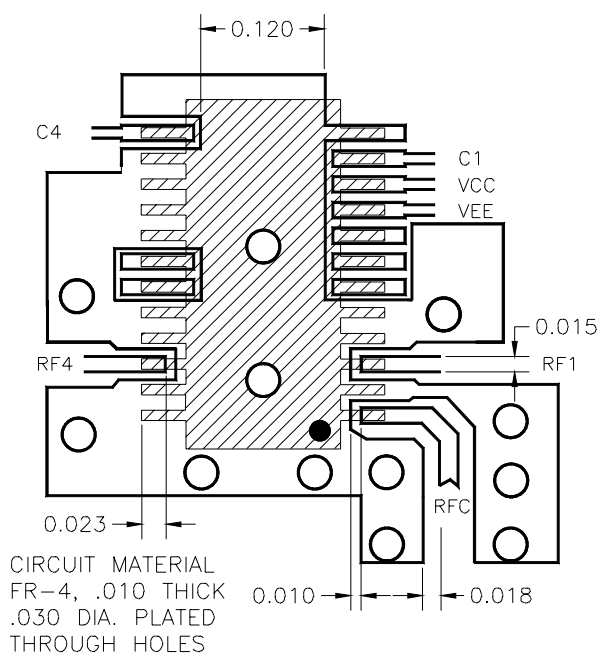


Recommended PCB Layout for SP4T



Recommended PCB Layout for SP2T



Pin Configuration

Pin No.	Function	Pin No.	Function
1	RFC	13	C4
2	GND	14	C3
3	RF1	15	GND
4	GND	16	GND
5	RF2	17	GND
6	N/C	18	N/C
7	N/C	19	N/C
8	N/C	20	RF3
9	V _{EE}	21	GND
10	V _{CC}	22	RF4
11	C1	23	GND
12	C2	24	GND

N/C = No Connection

Absolute Maximum Ratings^{3,4}

Parameter	Absolute Maximum
Max. Input Power	
0.05 GHz	+27 dBm
0.5 - 4.0 GHz	+34 dBm
Bias Voltages	
V _{EE}	-8.5V
V _{CC}	+5.5V
Control Voltage	-0.5V to V _{CC} +0.5V
Storage Temperature	-65°C to +125°C
Operating Temperature	-40°C to +85°C

1. Check with factory for available quantities and reel size.
2. Decoupling capacitors (.01 μ F) are required on the power supply lines.
3. Operation of this device above any one of these parameters may cause permanent damage.
4. When the RF input is applied to the terminated port, the absolute maximum power is +30 dBm.

Truth Table

TTL				RF Common To:			
C1	C2	C3	C4	RF1	RF2	RF3	RF4
1	0	0	0	On	Off	Off	Off
0	1	0	0	Off	On	Off	Off
0	0	1	0	Off	Off	On	Off
0	0	0	1	Off	Off	Off	On

Specifications subject to change without notice.

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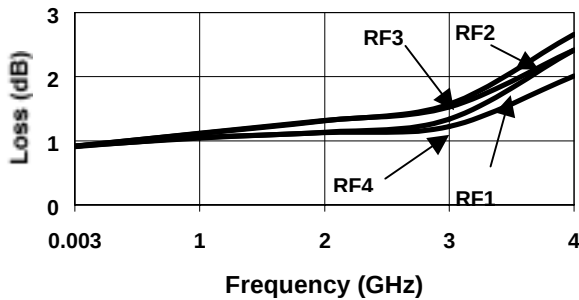
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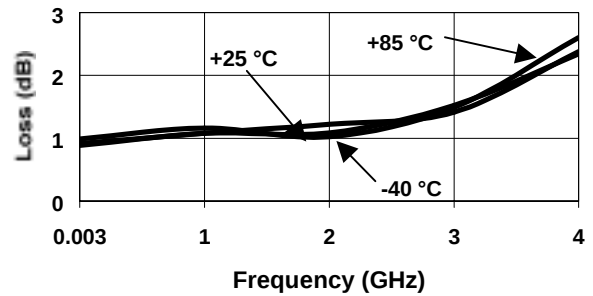
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Typical Performance Data

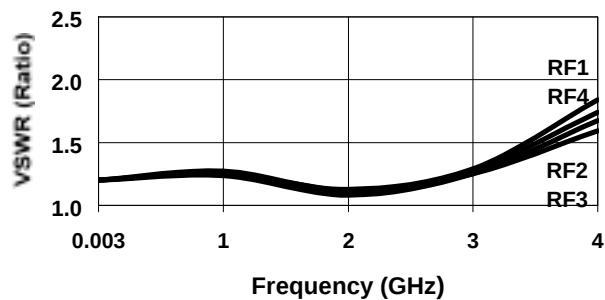
Insertion Loss (dB) @ 25 °C



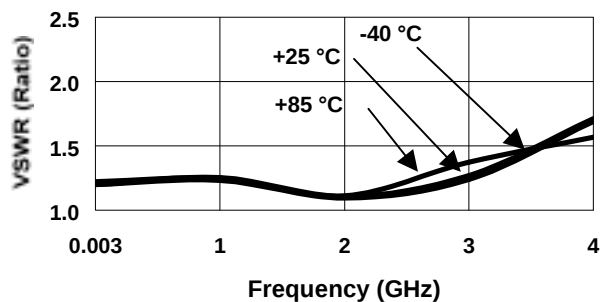
Loss Variation Over Temp. (dB)



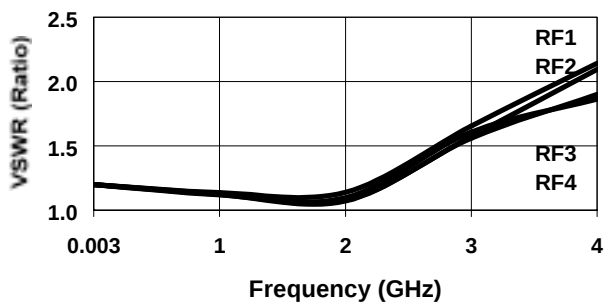
RF1 - RF4 On VSWR @ 25 °C



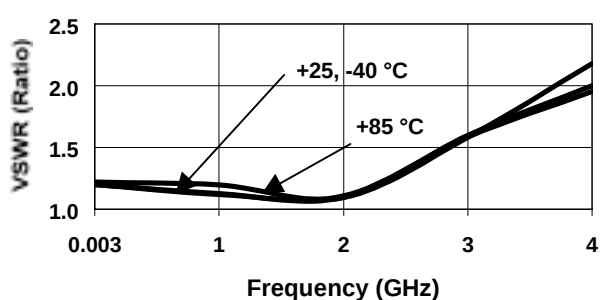
RF1 - RF4 On VSWR Temp. Variation



RFC On VSWR @ 25 °C



RFC On VSWR Temperature Variation



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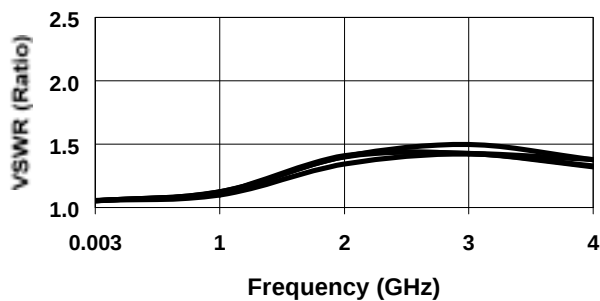
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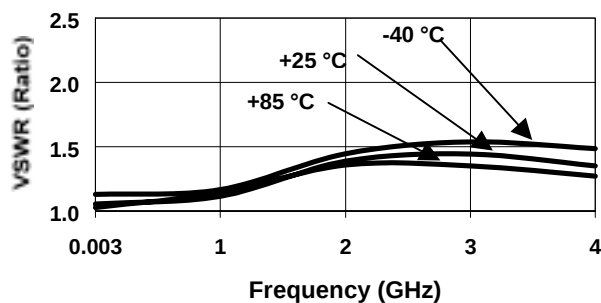
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Typical Performance Data

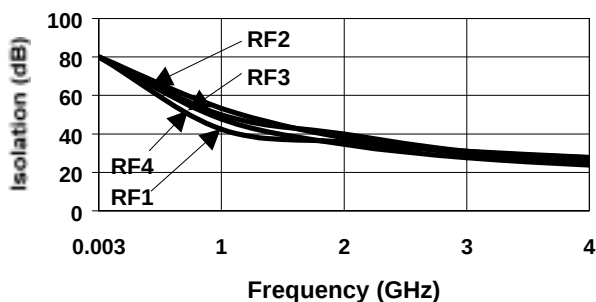
RF1 - RF4 Off VSWR @ 25 °C



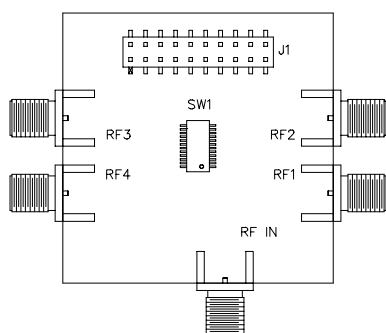
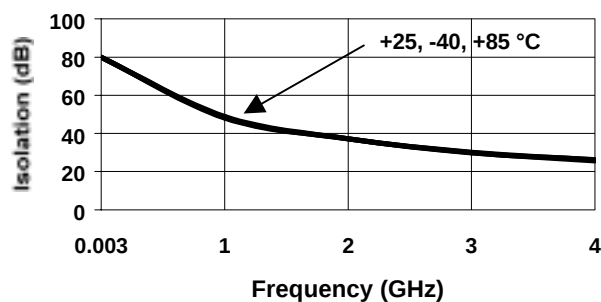
RF1 - RF4 Off VSWR Temp. Variation



Isolation (dB) @ 25 °C



Isolation Temperature Variation (dB)



EVALUATION BOARD
P/N SW65-0440-TB

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