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Electrical Specifications (Continued) : T_A = +25°C

Parameter	Test Conditions	Units	Min.	Typ.	Max.
VSWR (J9)	DC - 1.0 GHz DC - 2.5 GHz	Ratio Ratio	— —	1.0:1 1.3:1	1.3:1 1.6:1
Switching Speed	90%/10% or 10%/90% RF	nSec	—	3	10
Input Power for 1 dB Compression	—	dBm	+20	+22	—
Input IP2	Two tone inputs to +5 dBm	dBm	+65	—	—
Input IP3	Two tone inputs to +5 dBm	dBm	+45	—	—
DC Bias	0V	μA	—	—	10
	-5V	μA	—	—	100

Truth Table

Control Inputs										Condition of Switch									
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	J1	J2	J3	J4	J5	J6	J7	J8	J9	J10 Match
L	H	H	H	H	H	H	H	H	H	On	Off	Off	Off	Off	Off	Off	Off	Off	Off
H	L	H	H	H	H	H	H	H	H	Off	On	Off	Off	Off	Off	Off	Off	Off	Off
H	H	L	H	H	H	H	H	H	H	Off	Off	On	Off	Off	Off	Off	Off	Off	Off
H	H	H	L	H	H	H	H	H	H	Off	Off	Off	On	Off	Off	Off	Off	Off	Off
H	H	H	H	L	H	H	H	H	H	Off	Off	Off	Off	On	Off	Off	Off	Off	Off
H	H	H	H	H	L	H	H	H	H	Off	Off	Off	Off	Off	On	Off	Off	Off	Off
H	H	H	H	H	H	L	H	H	H	Off	Off	Off	Off	Off	Off	On	Off	Off	Off
H	H	H	H	H	H	H	L	H	H	Off	Off	Off	Off	Off	Off	Off	On	Off	Off
H	H	H	H	H	H	H	H	L	H	Off	Off	Off	Off	Off	Off	Off	Off	On	Off
H	H	H	H	H	H	H	H	H	L	Off	Off	Off	Off	Off	Off	Off	Off	Off	On

V_{IN} Low = 0 to -0.2V @ 10μAV_{IN} High = -5V @ 90μA**Pin Configuration**

Pin No.	Function	Pin No.	Function
1	J8	15	J2
2	Ground	16	Ground
3	C8	17	J3
4	C7	18	Ground
5	C6	19	J4
6	C5	20	J9
7	C10	21	Ground
8	C9	22	J0
9	C4	23	Ground
10	C3	24	J5
11	C2	25	Ground
12	C1	26	J6
13	Ground	27	Ground
14	J1	28	J7

Absolute Maximum Ratings

Parameter	Absolute Maximum
Input Power	+34 dBm
Control Voltage	-8.5 volts
Storage Temperature	-65°C to +125°C
Operating Temperature	-40° to +85°C

Operation of this device above any one of these parameters may cause permanent damage.

Specifications subject to change without notice.

V 2.0

■ North America: Tel. (800) 366-2266, Fax (800) 618-8883

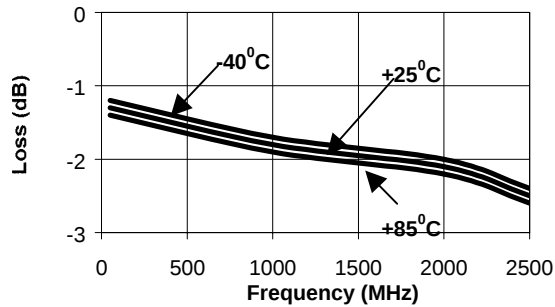
■ Asia/Pacific: Tel.+81-44-844-8296, Fax +81-44-844-8298

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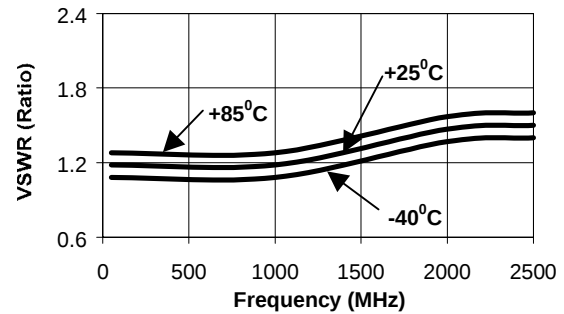
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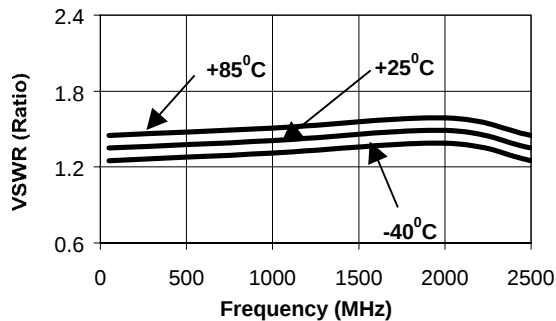
Insertion loss vs Frequency



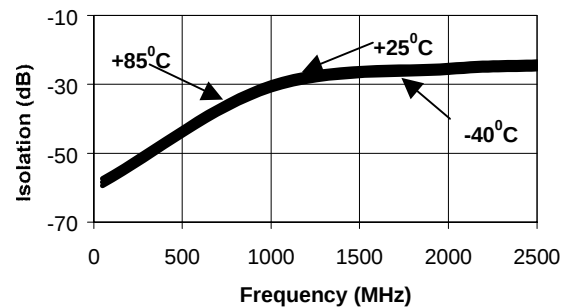
VSWR vs Frequency



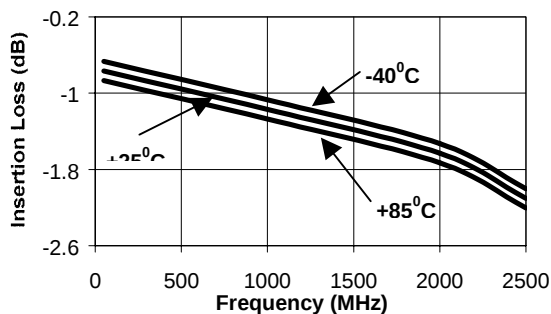
Output VSWR vs Frequency



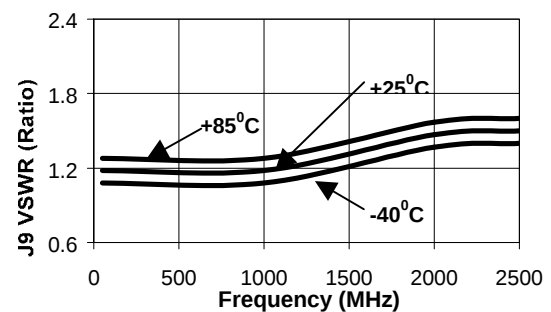
Isolation vs Frequency



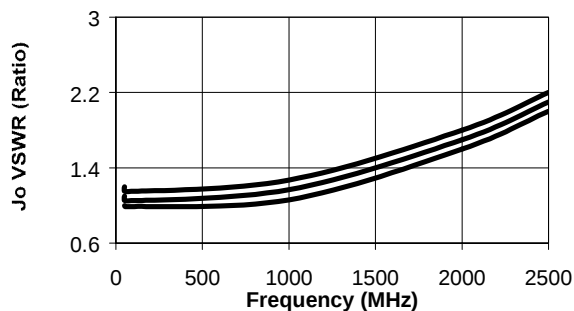
Growth Insertion Loss vs Frequency



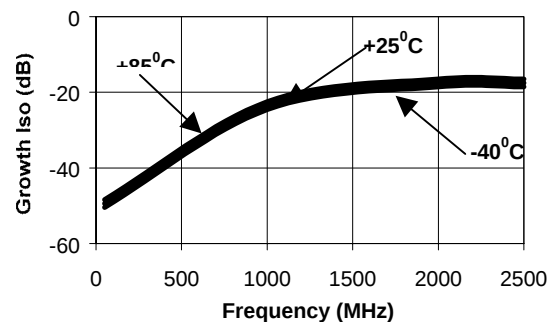
Growth VSWR vs Frequency



J0 VSWR All Arms off vs Frequency



Growth Isolation vs Frequency



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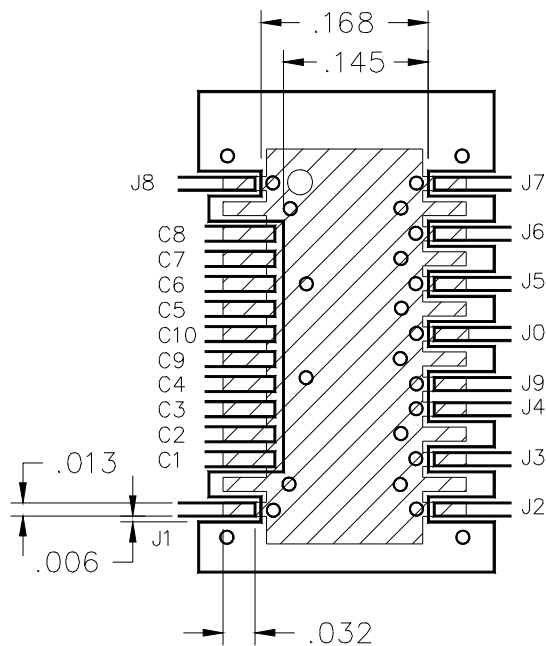
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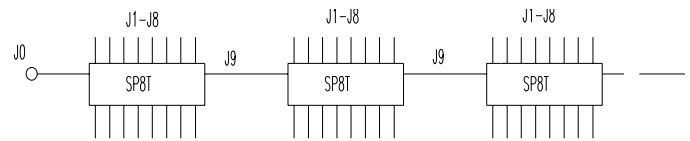
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PCB Layout

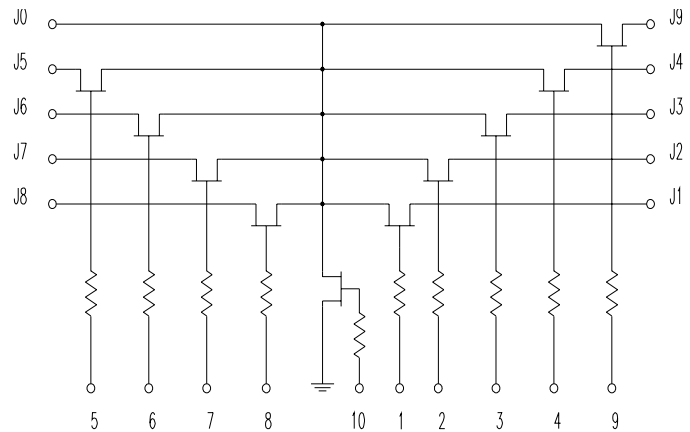


CIRCUIT MATERIAL
 .010 THICK FR-4
 .014 VIA DIAMETER
 ALL RF PORTS 50 OHMS

Cascade Application



Switch Schematic



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