

For both switches: Bottom of Case is AC Ground
Dimension in () are in mm.
Unless Otherwise Noted: .xxx = ± 0.010 (.xx = ± 0.25)
.xx = ± 0.02 (.x = ± 0.5)

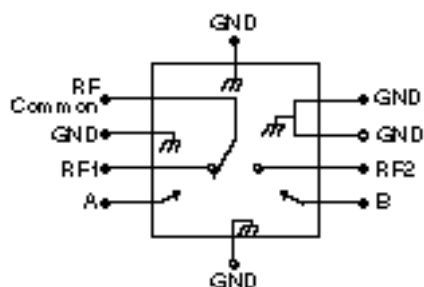
Absolute Maximum Ratings

Parameter	Absolute Maximum ¹
Max. Input Power 0.05 GHz 0.5 - 2.0 GHz	+35 dBm
-5V Control	+36 dBm
-8V Control	+39 dBm
-10V Control	+40 dBm
Power Dissipation ^{2,3}	2.0 W
Control Voltage	-12V, +1V
Operating Temperature	-55°C to +125°C
Storage Temperature	-65°C to +150°C
Maximum Junction Temperature	+175°C
Thermal Resistance ² : θ_{JC}	+50°C/W

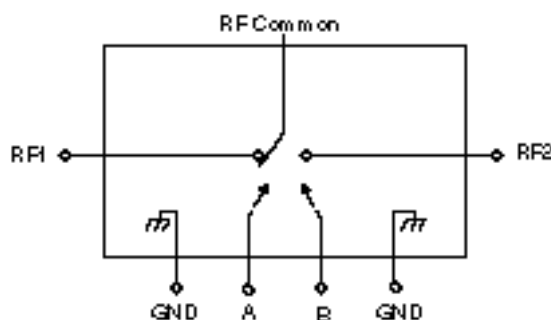
- Operation of this device above any one of these parameters may cause permanent damage.
- $T_{case} = 25^\circ\text{C}$, where T_{case} is the temperature at the bottom of the case.
- Special consideration must be given to the mounting of the switch to minimize the thermal resistance. The bottom of the case should be thermally attached to the mounting surface to maintain the junction temperature under the absolute maximum rating.

Functional Schematics (Top View)

SW-106



SW-276



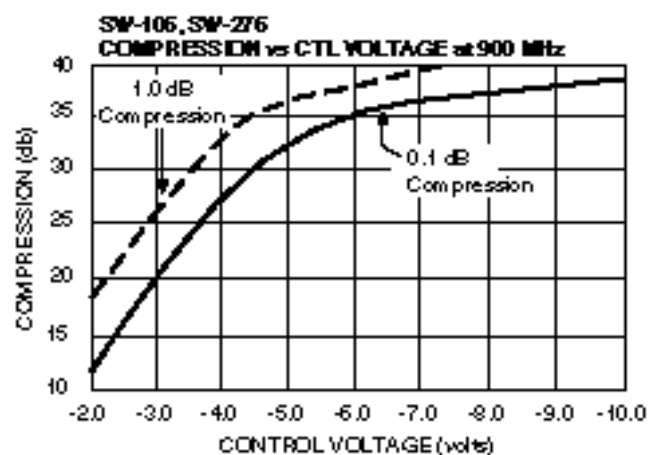
Two Tone IP₃ Measurements

Bias Voltage	Input Power for each tone (dBm)	3rd Order Intermodulation Products (dBc)	IP ₃ (dBm)	Second Harmonic (dBc)
0, -5V	+27	-34	+44	-61
0, -6V	+27	-49	+51	-61
0, -7V	+27	-64	+59	-63
0, -8V	+27	-65	+59	-63
0, -5V	+28	-30	+43	-58
0, -6V	+28	-41	+48	-58
0, -7V	+28	-52	+54	-57
0, -8V	+28	-60	+58	-57
0, -5V	+29	-28	+43	-54
0, -6V	+29	-34	+46	-54
0, -7V	+29	-44	+51	-54
0, -8V	+29	-52	+55	-54
0, -5V	+30	-26	+43	-52
0, -6V	+30	-32	+46	-51
0, -7V	+30	-38	+49	-51
0, -8V	+30	-44	+52	-51

Truth Table

Control		Condition of Switch	
A	B	RF Common to Each RF Port	
		RF1	RF2
High	Low	On	Off
Low	High	Off	On

Typical Performance



Typical Performances (cont'd.)

