Voltage Variable Attenuator VACC-09+

Typical Performance Data

V CONTROL (V)	ATTENUATION @ 900 MHz (dB)
0.00	0.95
0.50	1.41
0.60	3.27
0.70	5.75
0.80	8.76
0.90	12.54
1.00	18.02
1.10	29.82
1.15	39.66
1.20	26.38
1.30	18.62
1.50	12.76
2.50	5.48
3.00	4.30
5.00	2.33
6.00	1.89

FREQ. (MHz)	ATTENUATION Vs. V CONTROL (dB)					
	@V Control 0V	@V Control 0.6V	@V Control 0.8V	@V Control 1.0V	@V Control 1.1V	@V Control 1.128V
600	0.87	2.66	6.83	12.52	16.61	24.88
650	0.84	2.70	6.95	12.84	17.10	25.96
700	0.84	2.74	7.09	13.16	17.69	27.61
750	0.85	2.79	7.24	13.52	18.31	29.42
800	0.87	2.85	7.39	13.89	19.02	31.68
850	0.91	2.90	7.54	14.31	19.83	36.61
900	0.95	2.95	7.72	14.73	20.66	45.24
950	1.01	2.99	7.86	15.19	21.65	51.94
1000	1.05	3.05	8.04	15.68	22.76	36.94
1050	1.14	3.10	8.19	16.13	23.84	32.32
1100	1.22	3.14	8.34	16.60	24.93	29.02
1150	1.32	3.19	8.50	17.09	25.74	26.78
1200	1.46	3.24	8.65	17.53	25.97	24.77

Typical Performance Data

FREQ. (MHz)	INPUT RETURN LOSS Vs. V CONTROL (dB)					
	@V Control 0V	@V Control 0.5V	@V Control 0.6V	@V Control 0.8V	@V Control 1.0V	@V Control 1.1V
600	16.60	17.97	19.55	22.73	25.06	25.91
650	19.46	20.97	22.57	25.33	26.82	27.31
700	23.40	25.20	26.86	28.71	29.07	29.15
750	29.67	32.11	33.52	32.38	31.25	30.95
800	50.02	45.78	38.43	34.03	32.93	32.60
850	33.30	32.35	31.76	32.00	33.04	33.33
900	27.47	27.46	27.74	29.35	31.67	32.75
950	24.98	25.13	25.58	27.29	29.57	30.68
1000	23.67	23.85	24.25	25.78	27.72	28.73
1050	23.30	23.35	23.58	24.62	25.99	26.71
1100	23.17	23.03	23.05	23.54	24.39	24.86
1150	22.26	22.14	22.08	22.25	22.68	22.93
1200	20.09	20.36	20.56	20.86	21.13	21.27

Typical Performance Data

FREQ. (MHz)	OUTPUT RETURN LOSS Vs. V CONTROL (dB)					
	@V Control 0V	@V Control 0.5V	@V Control 0.6V	@V Control 0.8V	@V Control 1.0V	@V Control 1.1V
600	16.57	17.72	18.99	21.58	23.65	24.50
650	19.49	20.61	21.72	23.69	25.03	25.56
700	23.31	24.40	25.22	26.13	26.67	26.88
750	29.01	29.96	30.11	29.19	28.54	28.35
800	41.81	43.28	38.18	32.99	30.91	30.23
850	35.11	37.22	38.41	36.53	33.66	32.41
900	28.80	30.34	32.28	36.80	37.09	35.48
950	26.55	27.89	29.58	34.10	38.20	38.06
1000	25.85	27.00	28.43	32.20	36.64	38.45
1050	27.09	27.93	28.90	31.36	34.60	36.51
1100	30.66	30.50	30.26	30.84	32.92	34.40
1150	38.70	33.66	31.09	29.62	30.51	31.31
1200	27.72	28.31	28.20	27.91	28.37	28.69

Typical Performance Data

FREQ. (MHz)	INPUT IP3 Vs. V CONTROL (dBm)					
	@V Control 0V	@V Control 0.5V	@V Control 0.6V	@V Control 0.8V	@V Control 1.0V	@V Control 1.1V
600	48.02	33.63	29.47	25.70	24.00	22.46
900	48.33	34.69	31.84	28.38	25.98	22.07
1200	48.92	35.25	33.55	30.39	26.70	25.60

Typical Performance Data

FREQ. (MHz)	PHASE SHIFT Vs. V CONTROL (RELATIVE TO V CONTROL=0 V) (deg)					
	@V Control 0.5V	@V Control 0.6V	@V Control 0.7V	@V Control 0.8V	@V Control 0.9V	@V Control 1V
600	0.30	0.50	0.79	1.31	2.12	3.88
650	0.30	0.47	0.80	1.28	2.25	4.07
700	0.20	0.36	0.59	1.07	1.92	3.94
750	0.23	0.36	0.51	1.05	1.93	3.87
800	0.21	0.34	0.49	0.92	1.75	3.64
850	0.21	0.30	0.44	0.78	1.45	3.24
900	0.24	0.33	0.45	0.77	1.33	2.77
950	0.21	0.30	0.35	0.36	0.69	1.41
1000	0.26	0.34	0.36	0.31	0.28	0.11
1050	0.30	0.34	0.22	-0.05	-0.68	-2.49
1100	0.29	0.32	0.08	-0.41	-1.81	-6.00
1150	0.31	0.27	-0.04	-0.98	-3.12	-10.59
1200	0.32	0.27	-0.26	-1.60	-5.01	-16.85