



DESIGNER'S KIT K1-SAV TAV+

RF Transistors

50Ω 0.01 to 10 GHz



FEATURES

- Ultra-low noise
- High IP3
- Up to 20 dBm output power
- Variety of gains: From 16 dB to 24 dB typ.
- Variety of currents: From 15 to 60 mA
- Variety of packages: MCLP 1.42 x 1.18mm, MCLP 3 X 3 mm, SOT-343
- Low thermal resistance

MINI-CIRCUITS DESIGNER'S KITS
SPEED UP
THE SOLUTION



K1-SAV TAV+ ELECTRICAL SPECIFICATIONS

(kit includes 10 of each model, total 100 pieces)

Model	Frequency (GHz)	DC Condition	Frequency (GHz)	Gain (dB) Typ.	P1dB (dBm) Typ.	OIP3 (dBm) Typ.	NF (dB) Typ.	Thermal Resistance θ_{jc} ($^{\circ}\text{C}/\text{W}$) Typ.	Evaluation Board
SAV-331+	0.01-4	VDS = 4V, IDS = 60 mA	0.04	24.6	19.1	30.9	0.9	109	TB-SAV-331+
			0.9	21.3	20.2	33.5	0.4		
			2	16.6	21.1	35.5	0.5		
			4	11.5	21.8	38.7	0.9		
SAV-541+	0.045-6	VDS = 3V, IDS = 60 mA	0.9	23.2	19.1	32.6	0.4	160	TB-SAV-541+
			2	17.6	19.2	33.1	0.5		
			5.8	8.7	18.2	31	1.9		
		VDS = 4V, IDS = 60 mA	2	17.4	21.5	35.1	0.5		
			SAV-551+	0.045-6	VDS = 3V, IDS = 15 mA	0.9	20.9	17.2	22.4
2	15.9	17.5				24.3	0.6		
		VDS = 4V, IDS = 15 mA	5.8	7.6	17.5	28.5	1.8		
		VDS = 3V, IDS = 30 mA	0.9	22.3	18.5	28.6	0.4	160	TB-SAV-581+
			2	17	19	30.6	0.5		
		VDS = 4V, IDS = 30 mA	5.8	8.3	18.1	39.3	1.5		
		VDS = 3V, IDS = 60 mA	0.9	23.8	18.9	32.1	0.4	112	TB-TAV-541+
			2	17.9	19.1	33.6	0.5		
		VDS = 4V, IDS = 60 mA	5.8	9.5	19.6	32.9	1.8		
		VDS = 3V, IDS = 15 mA	0.9	21.3	17	22.1	0.4	112	TB-TAV-551+
			2	16.3	17.5	23.5	0.5		
		VDS = 4V, IDS = 15 mA	5.8	8.4	19.2	26	1.7		
		VDS = 3V, IDS = 30 mA	0.9	22.9	17.8	28.3	0.4	112	TB-TAV-581+
			2	17.3	18.3	30.3	0.5		
		VDS = 4V, IDS = 30 mA	5.8	8.8	19.1	34.7	1.5		
TAV1-331+	0.01-4	VDS = 4V, IDS = 60 mA	0.05	24.6	19.6	31.7	0.9	106	TB-TAV1-331+
			0.9	21.6	20.4	32.9	0.5		
			2	17	21.3	34.6	0.6		
			4	12	21.3	37.3	1		
TAV1-541+	0.045-6	VDS = 3V, IDS = 60 mA	0.9	24.1	18.2	32	0.4	160	TB-TAV1-541+
			2	18.6	18.4	31.4	0.6		
			5.8	9.3	18.3	31.9	1.4		
		VDS = 4V, IDS = 60 mA	2	18.6	20.7	33.9	0.7		
TAV2-14LN+	0.05-10	VDS = 4V, IDS = 40 mA	0.05	23.4	17.7	27.1	2.5	170	TB-TAV2-14LN+ TB-TAV2-14LNE+
			8	13.9	19.1	31.6	0.7		
			12	10.2	19.1	33.2	1.0		
			0.05	22	13.3	22.8	0.7		
			8	13.3	13.4	25.9	0.6		
		VDS = 2V, IDS = 20 mA	12	10	13	29	0.8		

