

GaAs Amplifiers

T-74-09-01

**Available in 4 Pin TO-8, Flatpacks,
Surface Mount Packages and Connectorized Housings**

B-74-09-51

(Listed by increasing Frequency, Noise Figure, and Power)

Model No.	Freq. Range (MHz)	Gain (dB)		Noise Figure (dB)		Power Output (dBm)		Third Order Intercept Point Typ (dBm)	VSWR MAX In/Out	Power Typ	
		Typ	Min	Typ	Max	Typ	Min			Vdc	mA
*TM9702	500-1500	12.0	10.5	2.8	4.0	+19.8	+19.0	+32	2.0:1	+ 8	107
*TM9701	200-2000	12.0	11.0	3.0	4.0	+14.0	+13.0	+26	2.0:1	+ 5	48
*TM9700	200-2000	12.0	9.5	2.2	4.0	+17.5	+15.5	+29	2.2:1	+ 6	70
*TM9713	500-2000	11.0	8.5	4.5	6.0	+22.0	+18.0	+33	2.0:1	+ 15	120
*TM9725	500-2000	11.0	9.0	4.5	6.0	+26.5	+26.0	+37	2.0:1	+ 15	190

*New Product

General Application Amplifiers

**Available in 4 Pin TO-8, Flatpacks,
Surface Mount Packages and Connectorized Housings**

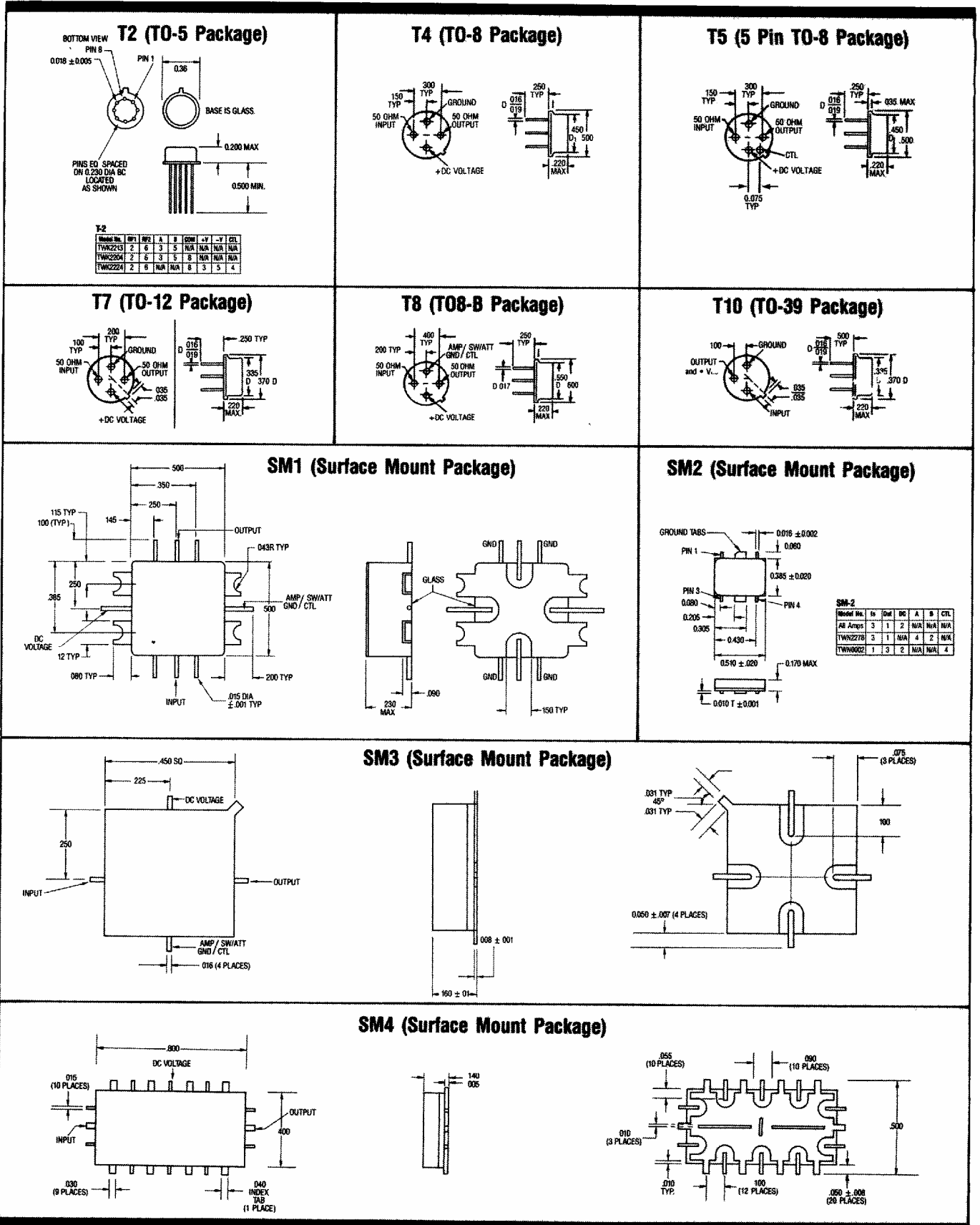
(Listed by increasing Frequency, Noise Figure, and Power)

Model No.	Freq. Range (MHz)	Gain (dB)		Noise Figure (dB)		Power Output (dBm)		Third Order Intercept Point Typ (dBm)	VSWR MAX In/Out	Power Typ	
		Typ	Min	Typ	Max	Typ	Min			Vdc	mA
TZ9206	5-200	23.0	22.0	3.0	3.5	+ 7.7	+ 7.0	+17	2.0:1	+15	37
TZ9203	5-200	31.0	30.0	3.0	3.5	+ 7.7	+ 7.0	+17	2.0:1	+15	35
TZ9209	5-200	30.5	30.0	3.0	3.5	+ 7.7	+ 7.0	+21	2.0:1	+12	36
TZ9212	0.1-200	31.0	30.0	3.0	3.5	+ 7.7	+ 7.0	+17	2.0:1	+15	35
TZ9204	5-200	20.5	20.0	5.2	6.0	+ 5.8	+ 5.0	+16	2.0:1	+15	37
TZ9201	5-200	29.0	27.0	4.8	6.0	+ 7.7	+ 7.0	+17	2.0:1	+15	35
TZ9207	5-200	29.0	27.0	4.8	6.0	+ 7.7	+ 7.0	+17	2.0:1	+12	35
TZ9210	0.1-200	29.0	27.0	4.8	6.0	+ 7.7	+ 7.0	+17	2.0:1	+15	35
TZ9205	5-200	20.5	20.0	5.2	6.0	+14.4	+13.0	+27	2.0:1	+15	90
TZ9202	5-200	27.5	26.0	5.2	6.0	+15.5	+15.0	+26	2.0:1	+15	90
TZ9208	5-200	27.5	26.0	5.2	6.0	+15.5	+15.0	+26	2.0:1	+12	90
TZ9211	0.1-200	27.5	26.0	5.2	6.0	+15.5	+15.0	+26	2.0:1	+15	90
TZ9216	5-200	12.5	11.0	5.5	7.0	+15.5	+13.5	+30	2.0:1	+15	50
TZ9214	5-200	13.5	13.0	6.7	8.5	+21.0	+20.0	+34	2.0:1	+15	90
TZ9401	5-400	14.5	13.0	4.4	5.0	- 1.0	- 3.0	+ 8	2.0:1	+15	10
TZ9402	5-400	14.5	13.0	4.8	5.5	+ 7.0	+ 6.0	+18	2.0:1	+15	24
TZ9405	5-400	13.0	12.0	4.8	5.5	+20.0	+19.0	+30	2.0:1	+15	75
TZ9411	5-400	15.0	13.0	4.5	6.0	- 1.0	- 4.0	+12	2.0:1	+12	12
TZ9408	5-400	28.0	26.0	4.5	6.0	+10.4	+ 9.5	+24	2.0:1	+15	45
TZ9409	5-400	12.5	9.0	5.5	6.0	+15.0	+13.0	+30	2.0:1	+15	50
TZ9403	5-400	10.5	9.0	7.5	8.0	+15.0	+14.0	+26	2.0:1	+24	65
TZ9404	5-400	10.5	9.0	7.5	8.0	+15.0	+14.0	+26	2.0:1	+15	65
TZ9601	10-1000	15.5	15.0	6.0	6.5	+ 5.0	+ 4.0	+11	2.0:1	+15	35

Outline Drawings

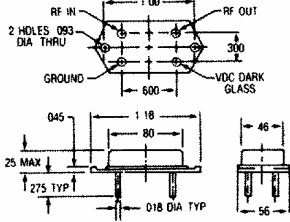
All unmarked Pins are internally grounded.

7-70-20

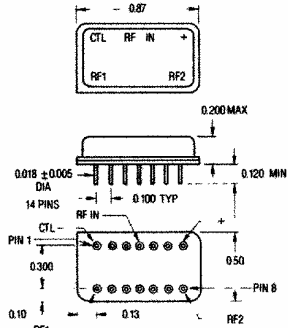


All unmarked Pins are internally grounded.

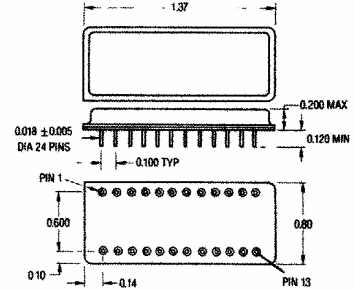
DP1 (Dip)



DP3 (Dip)



DP5 (Dip)



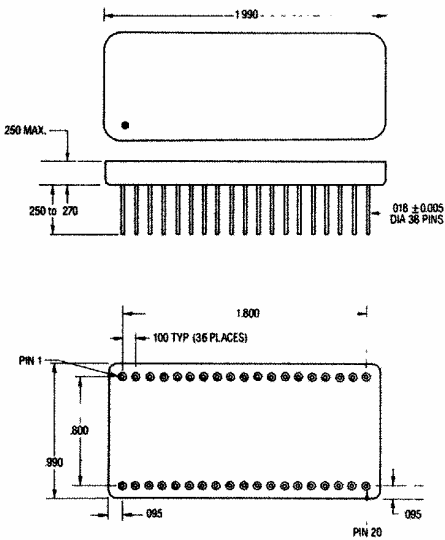
DP-5 Switches

Model No.	OME	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	CTL 1	CTL 2	CTL 3	CTL 4	+ Bias	- Bias
TAD5003	7	1	24	13	12	N/A	N/A	N/A	N/A	21	20	17	16	N/A	N/A
TAD5004	7	1	24	13	12	N/A	N/A	N/A	N/A	20	19	16	17	21	16
TAD5005	19	1	3	10	12	13	15	22	24	5	6	7	N/A	8	17

DP-5 Digital Attenuators

Model No.	RF 16/24	RF 24/36	8.5	10	2.0	3.0	4.0	6.0	8.0	12	16	24	32	+ Size	- Size
TAD2106	24	13	N/A	6	7	N/A	8	N/A	9	N/A	5	N/A	N/A	1	3
TAD5006	24	13	N/A	N/A	5	N/A	8	N/A	10	N/A	3	N/A	N/A	1	N/A
TAD5007	24	13	N/A	N/A	6	5	N/A	8	N/A	10	N/A	3	N/A	1	N/A
TAD5008	24	13	N/A	N/A	6	N/A	7	N/A	8	N/A	9	N/A	5	1	N/A

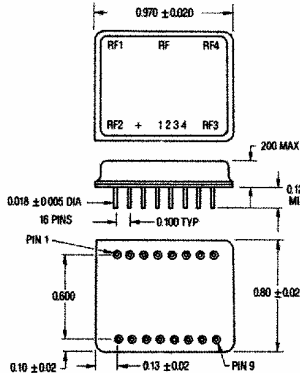
DP8 (Dip)



DP-3

Model	RF in/Out	RF in/Out	1	2	4	8	8	1.0	1.0	2.0	3.2	4.0	6.4	8.0	16	32	+ Dist
TAC5009	38	20	13	9	11	N/A	15	N/A	7	N/A	5	N/A	17	N/A	N/A	N/A	N/A
TRO5010	38	20	N/A	N/A	N/A	7	N/A	9	N/A	11	N/A	13	N/A	15	17	5	1

DP10 (Dip)

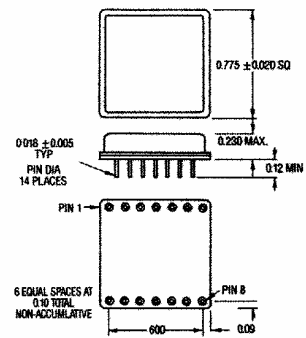


DP-10

COM	NP1	NP2	NP3	NP4	Y+	CTC 1	CTC 2	CTC 3	CTC 4
5	1	8	9	16	15	13	12	11	10

RF 4 not connected on SP3T Switches
+ = +5 Vdc

DP11 (Dip)



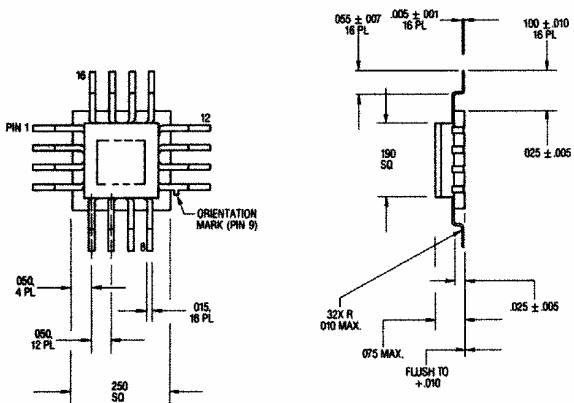
DP-11 Switch

Model No.	RF COW	RF 1	RF 2	RF 3	RF 4	RF 5
TW05002	11	1	7	5	3	2

DP-11 Digital Attenuator

Model No.	HF IN	HF OUT	2.0	4.0	6.0	10.0	+ Blow	- Suction
TAD0008	1	14	3	21	12	4	10	6

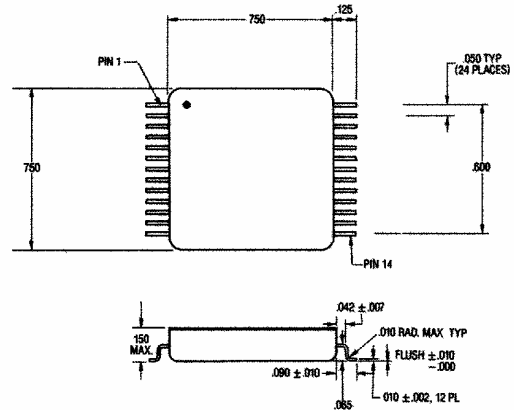
SG5 (Gull Wing Surface Mount Package)



36-5

Model No.	BP1	BP2	BP3	BP4	COM	A1	B1	A2	B2	A3	B3	A4	B4
TWN2243	1	6	8	13	15	2	3	5	4	9	10	11	12

SG2 (Gull Wing Surface Mount Package)

**SG-2**

Maple No.	DOB	NP1	NP2	NP3	NP4	NP5	NP6	-Y	CTL1	CTL2	CTL3
TWN6003	7	15	17	19	21	23	25	13	3	4	5

