

Full Performance Amplifiers

T-74-09-01

Available in 4 Pin TO-8 (TM), 4 Pin TO-8B (TR), Flatpacks, Surface Mount Packages and Connectorized Housings

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

B-74-09-51

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
*TM5125	5-100	20.5	19.5	2.0	3.0	+24.0	+22.5	+40	2.0:1	+15	90
TM7101	10-150	27.5	26.0	1.8	2.5	+16.5	+15.0	+30	2.0:1	+15	20
TM7103	10-150	26.5	25.0	2.3	2.75	+9.5	+8.0	+23	2.0:1	+5	15.5
TM5138	5-150	15.0	14.0	3.0	4.0	+23.0	+20.0	+40	2.0:1	+15	88
TM6117	10-200	8.2	7.0	1.3	2.0	+10.0	+9.0	+28	2.0:1	+15	12
TM7210	10-200	9.0	8.0	1.3	2.0	+14.0	+12.5	+31	2.0:1	+15	15
TM6118	10-200	10.0	9.0	1.5	2.0	+18.0	+16.5	+33	2.0:1	+15	18
*TM7205	10-200	19.5	18.5	1.6	2.2	+3.5	+3.0	+16	2.0:1	+5	22
TM7221	10-200	28.5	27.0	2.0	3.0	+18.5	+15.0	+33	2.0:1	+15	29
TM7211	10-200	8.5	7.5	2.0	3.0	+20.0	+18.0	+35	2.0:1	+15	30
*TM5124	20-200	20.5	19.5	2.5	3.5	+20.0	+18.0	+34	1.6:1	+15	53
*TM7250	5-200	33.0	29.0	2.5	4.0	-1.5	-4.0	+11	2.0:1	+5	13
TR7215	5-200	31.5	30.0	2.5	4.0	+13.0	+10.0	+26	2.0:1	+15	58
TM6121	20-200	10.0	9.0	2.5	4.0	+20.0	+18.0	+38	2.0:1	+15	60
TM7272	5-200	14.7	14.0	3.0	5.0	+14.0	+12.0	+29	2.0:1	+5	33
TM6134	5-200	14.3	13.5	4.0	6.0	+26.0	+23.0	+39	2.0:1	+15	90
*TM7208	5-250	22.0	20.0	1.4	2.0	+2.0	-1.0	+12	2.0:1	+15	10
*TM7288	5-250	22.0	20.0	1.6	2.0	+8.0	+6.0	+20	2.0:1	+15	18
*TM7170	10-250	8.5	7.5	1.3	2.0	+8.5	+7.5	+24	2.0:1	+15	10
*TM7270	10-250	8.3	7.5	1.4	2.0	+14.0	+13.0	+32	2.0:1	+15	15
*TM7371	5-250	18.0	16.0	1.75	2.5	+2.0	+1.0	+14	2.0:1	+15	9
*TM7271	5-250	18.0	16.0	1.5	2.8	+0.5	-1.0	+13	2.0:1	+15	9
*TM5570	20-250	8.2	7.0	1.8	3.0	+15.0	+13.0	+29	2.0:1	+5	25
*TM7381	20-250	24.5	23.0	2.2	3.0	+14.5	+12.5	+27	2.0:1	+15	18
TM6670	10-250	8.2	7.0	1.8	3.0	+19.0	+17.5	+38	2.0:1	+15	25
*TM6683	10-250	35.5	33.0	2.0	3.5	-0.5	-3.5	+10	2.0:1	+5	14
TM7281	20-250	25.5	23.0	2.3	3.3	+17.5	+15.5	+31	2.0:1	+15	30
TM7275	5-250	20.5	19.0	2.5	3.5	+9.5	+8.0	+22	2.0:1	+15	24
*TM6119	30-250	8.0	6.5	3.0	3.5	+23.0	+20.0	+36	2.0:1	+15	43
TM7370	20-250	8.0	6.5	2.5	3.5	+22.0	+21.0	+36	2.0:1	+15	43
TM7203	5-250	32.0	30.0	3.0	4.0	+8.0	+6.0	+19	2.0:1	+15	35
*TM7201	5-250	20.0	28.0	4.5	5.0	+8.0	+6.0	+19	2.0:1	+15	35
*TM7382	20-250	18.0	16.0	4.0	5.0	+18.0	+16.0	+31	2.0:1	+15	45
TM7282	20-250	23.5	21.0	4.0	5.0	+21.0	+18.0	+34	2.0:1	+15	45
TM7277	5-250	10.0	9.4	4.0	6.0	+24.0	+19.0	+32	2.0:1	+15	70
TM7202	5-250	27.0	26.0	5.0	6.5	+16.5	+15.0	+29	2.0:1	+15	88
TM7279A	5-250	14.0	12.5	4.5	7.0	+23.0	+21.0	+38	2.0:1	+15	88
*TM5150	10-300	20.0	19.0	2.5	3.5	+18.0	+17.0	+32	2.0:1	+15	47
TM5105	5-300	12.0	11.0	2.8	4.0	+7.0	+6.0	+21	2.0:1	+15	17
TM7287	10-300	15.5	14.5	2.8	4.0	+10.0	+9.0	+24	2.0:1	+5	14.5
TM7278	5-300	14.0	12.5	4.5	6.0	+21.5	+19.0	+34	2.0:1	+15	65
TM5103	10-300	11.5	10.0	5.0	6.5	+22.0	+20.0	+36	2.0:1	+15	85
TM7487	5-350	15.5	13.5	3.0	4.0	+8.0	+7.0	+21	2.0:1	+5	13
TM5104	5-350	13.0	12.5	2.8	4.5	+13.0	+11.0	+28	2.0:1	+15	42
*TM6181	10-400	8.5	7.5	1.7	2.5	+7.0	+6.5	+25	2.0:1	+15	11
TR6535	10-400	32.5	30.0	1.8	3.0	+22.0	+20.0	+37	2.0:1	+15	100
*TM6443	10-400	13.2	12.0	3.5	4.5	+6.5	+5.5	+19	2.0:1	+5	10
*TM6440	10-400	13.0	12.0	3.6	5.0	+9.0	+7.5	+23	2.0:1	+15	15
TM6416	5-400	14.5	13.5	4.0	5.0	+12.5	+9.5	+23	2.0:1	+15	35
*TM5541	20-400	14.5	13.0	3.5	5.0	+15.0	+13.0	+25	2.0:1	+5	33
*TM6487	10-400	15.5	14.0	3.2	5.0	+17.5	+15.0	+32	2.0:1	+15	33
*TM6554	5-400	27.5	25.5	5.0	6.0	+8.0	+6.0	+19	2.0:1	+15	39
TM6441	20-400	14.5	13.0	3.5	5.0	+16.0	+15.0	+31	2.0:1	+15	32
TM6587	10-400	12.8	12.0	4.0	6.0	+17.0	+16.0	+30	2.0:1	+15	33
TM6442	20-400	14.0	12.5	4.5	6.0	+22.0	+19.0	+34	2.0:1	+15	62
*TM6556	5-400	26.0	24.0	4.5	6.5	+14.0	+12.5	+28	2.0:1	+15	70

AFX 4 0806227 000040 4 45E D AMPLIFONIX INC

*New Product

Outline Drawings

All unmarked Pins are internally grounded.

T2 (TO-5 Package)

BASE IS GLASS.

PINS EQ SPACED ON 0.230 DIA BC LOCATED AS SHOWN

Model No.	IN1	IN2	A	B	DC	A	B	CTL
TWR2213	2	6	3	5	N/A	N/A	N/A	N/A
TWR2224	2	6	3	5	8	N/A	N/A	N/A
TWR2224	2	6	N/A	N/A	8	3	5	4

T4 (TO-8 Package)

T5 (5 Pin TO-8 Package)

T7 (TO-12 Package)

T8 (TO8-B Package)

T10 (TO-39 Package)

SM1 (Surface Mount Package)

SM2 (Surface Mount Package)

Model No.	Is	Out	DC	A	B	CTL
AB Amps	3	1	2	N/A	N/A	N/A
TWR2278	3	1	N/A	4	2	N/A
TWR9002	1	3	2	N/A	N/A	4

SM3 (Surface Mount Package)

SM4 (Surface Mount Package)

Outline Drawings All unmarked Pins are internally grounded.

DP1 (Dip)

DP3 (Dip)

DP5 (Dip)

Model No.	COM	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	CTL	CTL	CTL	+	-
TAD5003	7	1	24	13	42	N/A	N/A	N/A	N/A	21	20	17	16	N/A
TAD5004	7	1	24	13	12	N/A	N/A	N/A	N/A	20	18	16	17	16
TAD5005	19	1	3	10	12	13	15	22	24	5	6	7	N/A	8

DP8 (Dip)

Model No.	RF	RF	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	+	-
TAD8008	30	20	13	8	11	N/A	15	N/A	7	N/A	9	N/A	11	N/A	13	N/A	15	17	5	1	N/A	N/A	N/A	N/A
TAD8010	30	20	N/A	N/A	N/A	7	N/A	9	N/A	11	N/A	13	N/A	15	17	5	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

DP10 (Dip)

Model No.	COM	RF1	RF2	RF3	RF4	Y	1	2	3	4	5	6	7	8	9	10
ALL TW5001 ONLY	4	14	8	3	5											

RF 2 not used on SPST Switches
+ = +5 Vdc / - 15V

DP11 (Dip)

Model No.	RF	RF	1	2	3	4
TW5002	11	1	7	5	3	4

Model No.	RF	RF	1	2	3	4	5	6
TAD0002	1	12	3	11	12	4	10	5

SG5 (Gull Wing Surface Mount Package)

Model No.	COM	RF1	RF2	RF3	RF4	COM	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
TW5224-2	1	8	9	13	15	2	3	5	4	9	10	11	12			

SG2 (Gull Wing Surface Mount Package)

Model No.	COM	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	RF10	RF11	RF12	RF13	RF14	RF15
TW5003	7	15	17	19	21	23	25	13	3	4	5					

Outline Drawings All unmarked Pins are internally grounded.

FP2 (Flatpack)

FP4 (Flatpack)

FP7 (Flatpack)

Model No.	RF COM	RF 1	RF 2	A	B
SPST	N/A	8	5	2	3
SPDT	1	3	6	4	5

FP9 (Flatpack)

Model No.	COM	RF 1	RF 2	RF 3	RF 4	RF 5	RF 6	RF 7	-V	CTL	CTL
TWP6004	7	14	16	18	20	22	24	26	13	3	4

FP10 (Flatpack)

FP11 (Flatpack)

Model No.	Out	RF 1	RF 2
W00	7	3	1

FP12 (Flatpack)

Model No.	RF 1	RF 2	COM	A	B	-S	-S	CTL
TWP2214	2	4	N/A	1	3	N/A	N/A	N/A
TWP2282	4	6	2	1	3	N/A	N/A	N/A
TWP2225	4	6	2	N/A	N/A	1	3	4

FP13 (Flatpack)

FP14 (Flatpack)