

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

*New Product

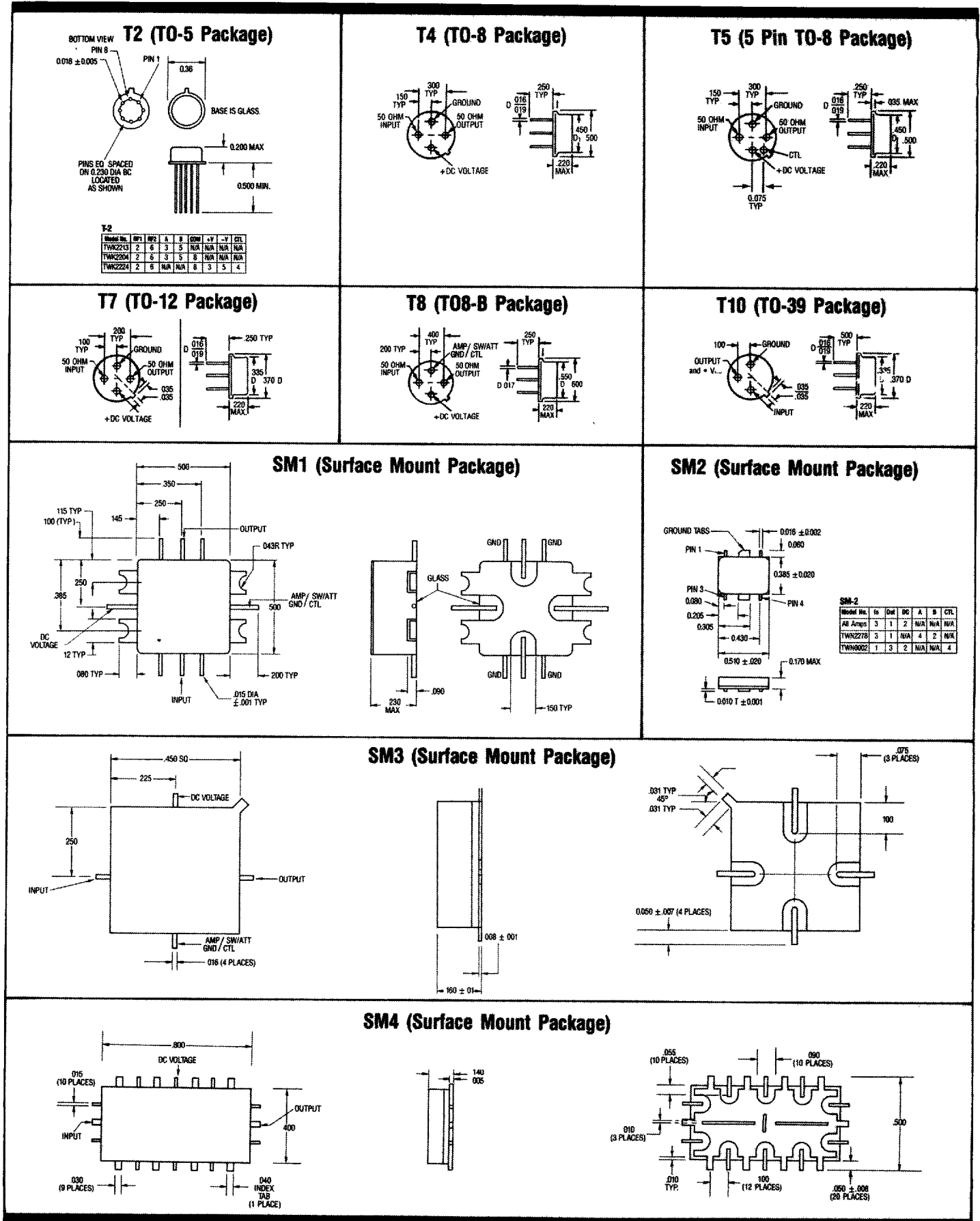
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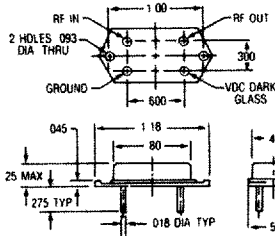
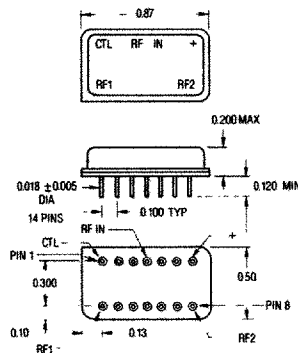
AMPLIFONIX INC

Outline Drawings

All unmarked Pins are internally grounded.

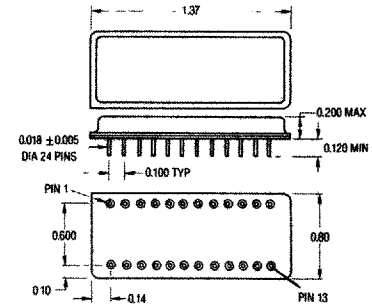


Outline Drawings *All unmarked Pins are internally grounded.*

DP1 (Dip)**DP3 (Dip)****DP-3**

Model No.	COM	RF1	RF2	+V	CTL
ALL	4	14	8	7	1
TW5001 ONLY	4	14	8	3	5

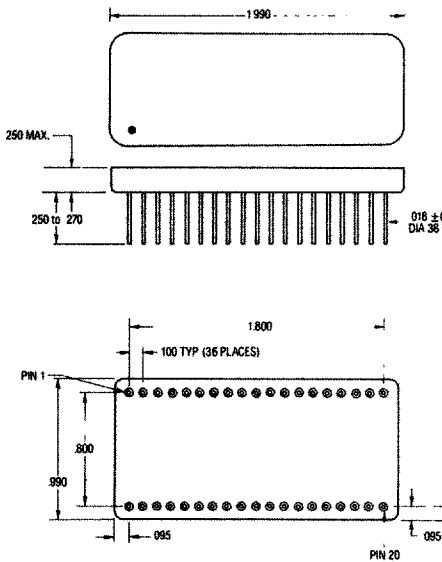
RF 2 not used on SPST Switches
+V = +5 Vdc ± 15V

DP5 (Dip)**DP-5 Switches**

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

DP-5 Digital Attenuators

Model No.	RF	RU	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5	12.5	13.5	14.5	15.5	16.5	17.5	18.5	19.5	20.5	21.5	22.5	23.5	24.5	25.5	26.5	27.5	28.5	29.5	30.5	31.5	32.5	33.5	34.5	35.5	36.5	37.5	38.5	39.5	40.5	41.5	42.5	43.5	44.5	45.5	46.5	47.5	48.5	49.5	50.5	51.5	52.5	53.5	54.5	55.5	56.5	57.5	58.5	59.5	60.5	61.5	62.5	63.5	64.5	65.5	66.5	67.5	68.5	69.5	70.5	71.5	72.5	73.5	74.5	75.5	76.5	77.5	78.5	79.5	80.5	81.5	82.5	83.5	84.5	85.5	86.5	87.5	88.5	89.5	90.5	91.5	92.5	93.5	94.5	95.5	96.5	97.5	98.5	99.5	100.5	101.5	102.5	103.5	104.5	105.5	106.5	107.5	108.5	109.5	110.5	111.5	112.5	113.5	114.5	115.5	116.5	117.5	118.5	119.5	120.5	121.5	122.5	123.5	124.5	125.5	126.5	127.5	128.5	129.5	130.5	131.5	132.5	133.5	134.5	135.5	136.5	137.5	138.5	139.5	140.5	141.5	142.5	143.5	144.5	145.5	146.5	147.5	148.5	149.5	150.5	151.5	152.5	153.5	154.5	155.5	156.5	157.5	158.5	159.5	160.5	161.5	162.5	163.5	164.5	165.5	166.5	167.5	168.5	169.5	170.5	171.5	172.5	173.5	174.5	175.5	176.5	177.5	178.5	179.5	180.5	181.5	182.5	183.5	184.5	185.5	186.5	187.5	188.5	189.5	190.5	191.5	192.5	193.5	194.5	195.5	196.5	197.5	198.5	199.5	200.5	201.5	202.5	203.5	204.5	205.5	206.5	207.5	208.5	209.5	210.5	211.5	212.5	213.5	214.5	215.5	216.5	217.5	218.5	219.5	220.5	221.5	222.5	223.5	224.5	225.5	226.5	227.5	228.5	229.5	230.5	231.5	232.5	233.5	234.5	235.5	236.5	237.5	238.5	239.5	240.5	241.5	242.5	243.5	244.5	245.5	246.5	247.5	248.5	249.5	250.5	251.5	252.5	253.5	254.5	255.5	256.5	257.5	258.5	259.5	260.5	261.5	262.5	263.5	264.5	265.5	266.5	267.5	268.5	269.5	270.5	271.5	272.5	273.5	274.5	275.5	276.5	277.5	278.5	279.5	280.5	281.5	282.5	283.5	284.5	285.5	286.5	287.5	288.5	289.5	290.5	291.5	292.5	293.5	294.5	295.5	296.5	297.5	298.5	299.5	300.5	301.5	302.5	303.5	304.5	305.5	306.5	307.5	308.5	309.5	310.5	311.5	312.5	313.5	314.5	315.5	316.5	317.5	318.5	319.5	320.5	321.5	322.5	323.5	324.5	325.5	326.5	327.5	328.5	329.5	330.5	331.5	332.5	333.5	334.5	335.5	336.5	337.5	338.5	339.5	340.5	341.5	342.5	343.5	344.5	345.5	346.5	347.5	348.5	349.5	350.5	351.5	352.5	353.5	354.5	355.5	356.5	357.5	358.5	359.5	360.5	361.5	362.5	363.5	364.5	365.5	366.5	367.5	368.5	369.5	370.5	371.5	372.5	373.5	374.5	375.5	376.5	377.5	378.5	379.5	380.5	381.5	382.5	383.5	384.5	385.5	386.5	387.5	388.5	389.5	390.5	391.5	392.5	393.5	394.5	395.5	396.5	397.5	398.5	399.5	400.5	401.5	402.5	403.5	404.5	405.5	406.5	407.5	408.5	409.5	410.5	411.5	412.5	413.5	414.5	415.5	416.5	417.5	418.5	419.5	420.5	421.5	422.5	423.5	424.5	425.5	426.5	427.5	428.5	429.5	430.5	431.5	432.5	433.5	434.5	435.5	436.5	437.5	438.5	439.5	440.5	441.5	442.5	443.5	444.5	445.5	446.5	447.5	448.5	449.5	450.5	451.5	452.5	453.5	454.5	455.5	456.5	457.5	458.5	459.5	460.5	461.5	462.5	463.5	464.5	465.5	466.5	467.5	468.5	469.5	470.5	471.5	472.5	473.5	474.5	475.5	476.5	477.5	478.5	479.5	480.5	481.5	482.5	483.5	484.5	485.5	486.5	487.5	488.5	489.5	490.5	491.5	492.5	493.5	494.5	495.5	496.5	497.5	498.5	499.5	500.5	501.5	502.5	503.5	504.5	505.5	506.5	507.5	508.5	509.5	510.5	511.5	512.5	513.5	514.5	515.5	516.5	517.5	518.5	519.5	520.5	521.5	522.5	523.5	524.5	525.5	526.5	527.5	528.5	529.5	530.5	531.5	532.5	533.5	534.5	535.5	536.5	537.5	538.5	539.5	540.5	541.5	542.5	543.5	544.5	545.5	546.5	547.5	548.5	549.5	550.5	551.5	552.5	553.5	554.5	555.5	556.5	557.5	558.5	559.5	560.5	561.5	562.5	563.5	564.5	565.5	566.5	567.5	568.5	569.5	570.5	571.5	572.5	573.5	574.5	575.5	576.5	577.5	578.5	579.5	580.5	581.5	582.5	583.5	584.5	585.5	586.5	587.5	588.5	589.5	590.5	591.5	592.5	593.5	594.5	595.5	596.5	597.5	598.5	599.5	600.5	601.5	602.5	603.5	604.5	605.5	606.5	607.5	608.5	609.5	610.5	611.5	612.5	613.5	614.5	615.5	616.5	617.5	618.5	619.5	620.5	621.5	622.5	623.5	624.5	625.5	626.5	627.5	628.5	629.5	630.5	631.5	632.5	633.5	634.5	635.5	636.5	637.5	638.5	639.5	640.5	641.5	642.5	643.5	644.5	645.5	646.5	647.5	648.5	649.5	650.5	651.5	652.5	653.5	654.5	655.5	656.5	657.5	658.5	659.5	660.5	661.5	662.5	663.5	664.5	665.5	666.5	667.5	668.5	669.5	670.5	671.5	672.5	673.5	674.5	675.5	676.5	677.5	678.5	679.5	680.5	681.5	682.5	683.5	684.5	685.5	686.5	687.5	688.5	689.5	690.5	691.5	692.5	693.5	694.5	695.5	696.5	697.5	698.5	699.5	700.5	701.5	702.5	703.5	704.5	705.5	706.5	707.5	708.5	709.5	710.5	711.5	712.5	713.5	714.5	715.5	716.5	717.5	718.5	719.5	720.5	721.5	722.5	723.5	724.5	725.5	726.5	727.5	728.5	729.5	730.5	731.5	732.5	733.5	734.5	735.5	736.5	737.5	738.5	739.5	740.5	741.5	742.5	743.5	744.5	745.5	746.5	747.5	748.5	749.5	750.5	751.5	752.5	753.5	754.5	755.5	756.5	757.5	758.5	759.5	760.5	761.5	762.5	763.5	764.5	765.5	766.5	767.5	768.5	769.5	770.5	771.5	772.5	773.5	774.5	775.5	776.5	777.5	778.5	779.5	780.5	781.5	782.5	783.5	784.5	785.5	786.5	787.5	788.5	789.5	790.5	791.5	792.5	793.5	794.5	795.5	796.5	797.5	798.5	799.5	800.5	801.5	802.5	803.5	804.5	805.5	806.5	807.5	808.5	809.5	810.5	811.5	812.5	813.5	814.5	815.5	816.5	817.5	818.5	819.5	820.5	821.5	822.5	823.5	824.5	825.5	826.5	827.5	828.5	829.5	830.5	831.5	832.5	833.5	834.5	835.5	836.5	837.5	838.5	839.5	840.5	841.5	842.5	843.5	844.5	845.5	846.5	847.5	848.5	849.5	850.5	851.5	852.5	853.5	854.5	855.5	856.5	857.5	858.5	859.5	860.5	861.5	862.5	863.5	864.5	865.5	866.5	867.5	868.5	869.5	870.5	871.5	872.5	873.5	874.5	875.5	876.5	877.5	878.5	879.5	880.5	881.5	882.5	883.5	884.5	885.5	886.5	887.5	888.5	889.5	890.5	891.5	892.5	893.5	894.5	895.5	896.5	897.5	898.5	899.5	900.5	901.5	902.5	903.5	904.5	905.5	906.5	907.5	908.5	909.5	910.5	911.5	912.5	913.5	914.5	915.5	916.5	917.5	918.5	919.5	920.5	921.5	922.5	923.5	924.5	925.5	926.5	927.5	928.5	929.5	930.5	931.5	932.5	933.5	934.5	935.5	936.5	937.5	938.5	939.5	940.5	941.5	942.5	943.5	944.5	945.5	946.5	947.5	948.5	949.5	950.5	951.5	952.5	953.5	954.5	955.5	956.5	957.5	958.5	959.5	960.5	961.5	962.5	963.5	964.5	965.5	966.5	967.5	968.5	969.5	970.5	971.5	972.5	973.5	974.5	975.5	976.5	977.5	978.5	979.5	980.5	981.5	982.5	983.5	984.5	985.5	986.5	987.5	988.5	989.5	990.5	991.5	992.5	993.5	994.5	995.5	996.5	997.5	998.5	999.5	1000.5
TAD2106	24	13	N/A	6	7	N/A	8	N/A	9	N/A	5	N/A	N/A	1	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

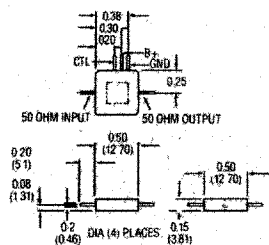
DP8 (Dip)**DP-8**

Model No.	RF Input	RF Output	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92
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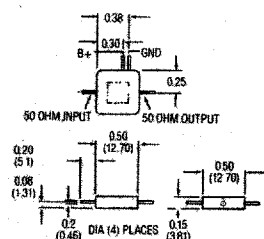
Outline Drawings

All unmarked Pins are internally grounded.

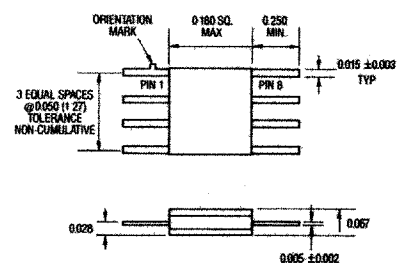
FP2 (Flatpack)



FP4 (Flatpack)



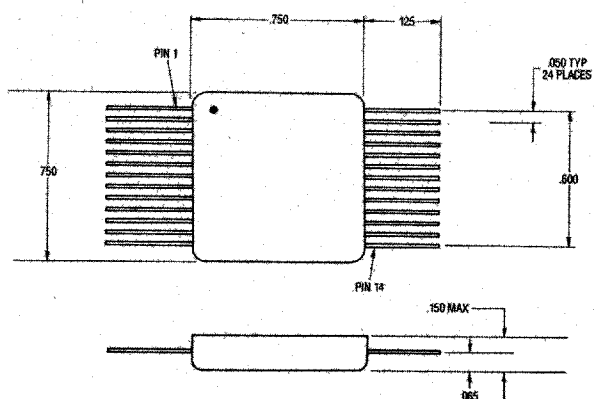
FP7 (Flatpack)



FP-7
PIN CONFIGURATION

Model No.	RF COM	RF1	RF2	A	B
SPST	N/A	8	5	2	3
SPDT	1	3	6	4	5

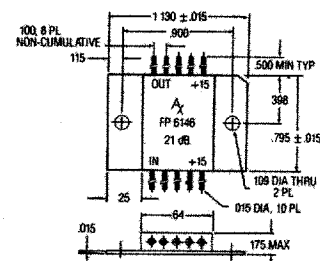
FP9 (Flatpack)



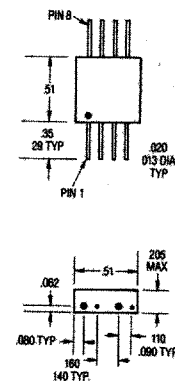
FP-9

Model No.	COM	RF1	RF2	RF3	RF4	RF5	RF6	RF7	-V	CTL	CTL
TWP6004	7	14	16	18	20	22	24	26	13	3	4

FP10 (Flatpack)



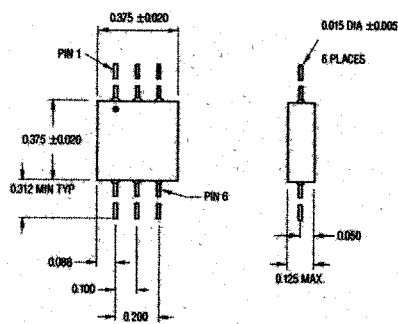
FP11 (Flatpack)



FP-11

Def	V _{max}	V ₊
100%	7	3

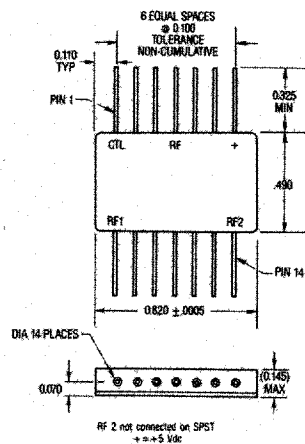
FP12 (Flatpack)



FP-12

Model No.	RF1	RF2	COM	A	B	-S	-R	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)

