

GaAs Switches

T-51-11

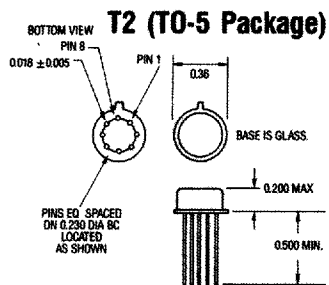
(Listed by increasing Number of Throws, Frequency and I.L.)

Model No.	Type	Freq. Range (MHz)	I.L. Typ	Isolation (dB) Typ	VSWR Typ	Terms OHMS	Driver	Package Type
TWM6001	SPST	10-1500	1.2	35	1.25:1	50	TTL	T-5
TWR6000	SPST	10-1500	2.5	80	1.25:1	OPEN	TTL	T-8
TWN6002	SPST	10-2000	1.2	35	1.25:1	50	TTL	SM-2
TWP2209	SPST	DC-3000	0.7	45	1.15:1	50	0/-5V	FP-7
TWK2213	SPST	DC-3000	0.7	55	1.15:1	50	0/-5V	T-2
TWP2214	SPST	DC-3000	0.7	55	1.15:1	50	0/-5V	FP-12
TWN2278	SPST	DC-3000	0.9	55	1.1:1	50	0/-5V	SM-2
TWD2215	SPST	5-3000	1.0	60	1.2:1	50	TTL	DP-3
TWD2216	SPST	5-3000	1.0	60	1.2:1	50	CMOS	DP-3
TWP2231	SPST	5-3000	1.0	55	1.2:1	50	TTL	FP-13
TWP2232	SPST	5-3000	1.0	55	1.2:1	50	CMOS	FP-13
TWK2224	SPDT	DC-2000	0.6	40	1.15:1	OPEN	TTL	T-2
TWP2225	SPDT	DC-2000	0.6	35	1.1:1	OPEN	TTL	FP-12
TWD2217	SPDT	5-2000	1.0	55	1.2:1	OPEN	TTL	DP-3
TWD2218	SPDT	5-2000	1.0	55	1.2:1	OPEN	CMOS	DP-3
TWP2233	SPDT	5-2000	1.0	50	1.2:1	50	TTL	FP-13
TWP2234	SPDT	5-2000	1.0	55	1.2:1	OPEN	TTL	FP-13
TWK2201	SPDT	DC-3000	0.5	50	1.15:1	OPEN	0/-5V	T-2
TWP2202	SPDT	DC-3000	0.5	50	1.15:1	OPEN	0/-5V	FP-12
TWP2219	SPDT	DC-3000	0.5	40	1.15:1	OPEN	0/-5V	FP-7
TWK2203	SPDT	DC-3000	0.8	50	1.15:1	50	0/-5V	T-2
TWP2204	SPDT	DC-3000	0.8	50	1.15:1	50	0/-5V	FP-12
TWD2207	SPDT	DC-3000	0.8	45	1.2:1	OPEN	TTL	DP-3
TWD2208	SPDT	DC-3000	0.8	45	1.2:1	OPEN	CMOS	DP-3
TWP2238	SPDT	5-3000	0.9	50	1.2:1	OPEN	CMOS	FP-13
TWD2205	SPDT	5-3000	1.2	55	1.2:1	50	TTL	DP-3
TWD2206	SPDT	5-3000	1.2	55	1.2:1	50	CMOS	DP-3
TWD2241	SP3T	5-2000	1.0	60	1.2:1	50	TTL	DP-10
TWD2242	SP3T	5-2000	1.0	60	1.2:1	OPEN	TTL	DP-10
TWD2244	SP3T	5-2000	1.0	60	1.2:1	50	CMOS	DP-10
TWD2245	SP3T	5-2000	1.0	60	1.2:1	OPEN	CMOS	DP-10
TWP2247	SP3T	5-2000	1.0	55	1.2:1	50	TTL	FP-14
TWP2248	SP3T	5-2000	1.0	55	1.2:1	OPEN	TTL	FP-14
TWP2251	SP3T	5-2000	1.0	55	1.2:1	50	CMOS	FP-14
TWP2252	SP3T	5-2000	1.0	55	1.2:1	OPEN	CMOS	FP-14
TWD2254	SP4T	5-2000	1.0	55	1.2:1	50	TTL	DP-10
TWD2255	SP4T	5-2000	1.0	55	1.2:1	OPEN	TTL	DP-10
TWD2257	SP4T	5-2000	1.0	55	1.2:1	50	CMOS	DP-10
TWD2258	SP4T	5-2000	1.0	55	1.2:1	OPEN	CMOS	DP-10
TWP2261	SP4T	5-2000	1.0	55	1.2:1	50	TTL	FP-14
TWP2262	SP4T	5-2000	1.0	55	1.2:1	OPEN	TTL	FP-14
TWP2264	SP4T	5-2000	1.0	55	1.2:1	50	CMOS	FP-14
TWP2265	SP4T	5-2000	1.0	55	1.2:1	OPEN	CMOS	FP-14
TWN2243	SP4T	DC-3000	0.7	40	1.2:1	OPEN	0/-5V	SG-5
TWN6003	SP6T	DC-1500	1.5	45	1.25:1	50	TTL	SG-2
TWP6004	SP7T	DC-2000	1.5	45	1.25:1	50	TTL	FP-9

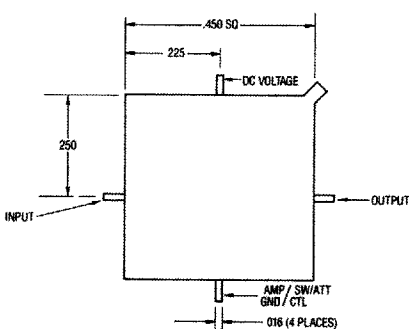
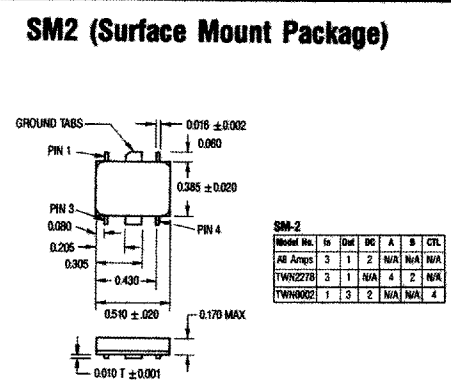
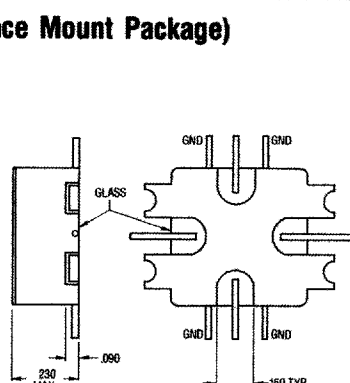
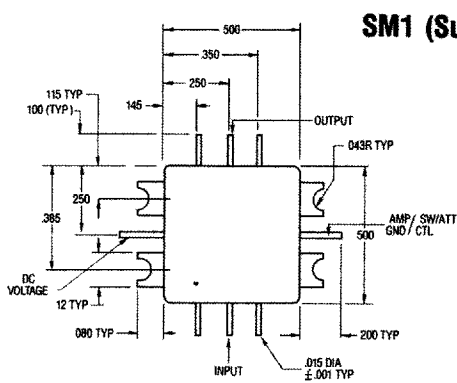
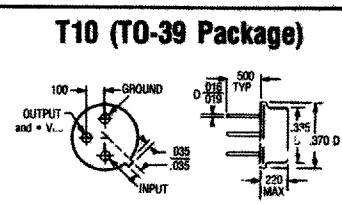
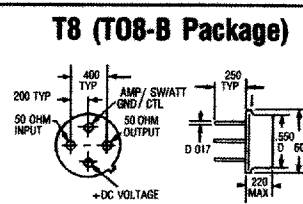
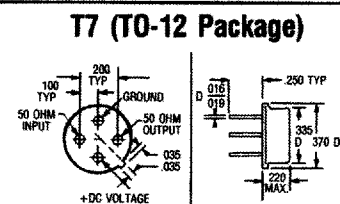
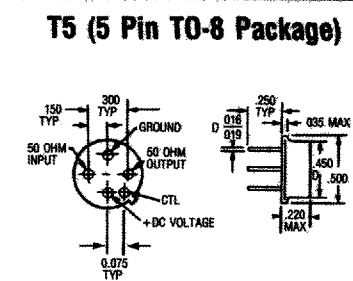
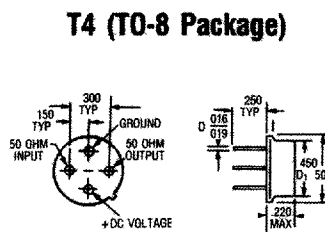
Outline Drawings

All unmarked Pins are internally grounded.

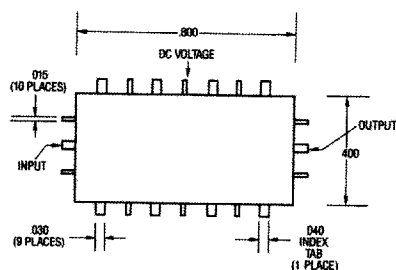
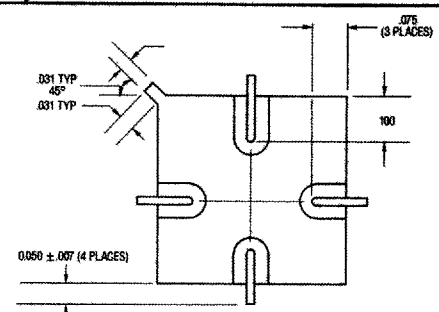
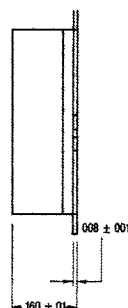
T-90-20



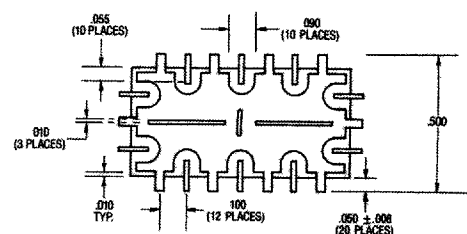
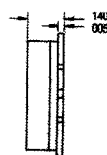
Model No.	RF1	RF2	A	B	CON	+Y	-Y	CTL
TVW2213	2	6	3	5	N/A	N/A	N/A	N/A
TVW2204	2	6	3	5	8	N/A	N/A	N/A
TVW2224	2	6	N/A	N/A	8	3	5	4



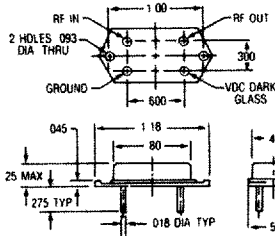
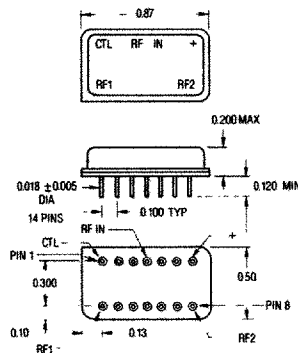
SM3 (Surface Mount Package)



SM4 (Surface Mount Package)

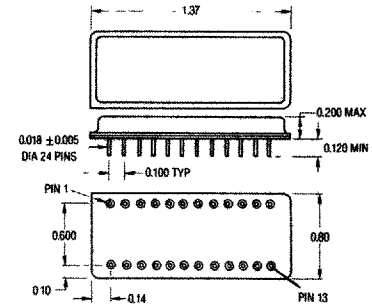


Outline Drawings *All unmarked Pins are internally grounded.*

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

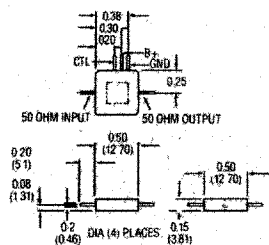
DP-5 Digital Attenuators

Model No.	RF	RF	RF	1.5	1.8	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5	49.0	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5	81.0	81.5	82.0	82.5	83.0	83.5	84.0	84.5	85.0	85.5	86.0	86.5	87.0	87.5	88.0	88.5	89.0	89.5	90.0	90.5	91.0	91.5	92.0	92.5	93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0	98.5	99.0	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0	103.5	104.0	104.5	105.0	105.5	106.0	106.5	107.0	107.5	108.0	108.5	109.0	109.5	110.0	110.5	111.0	111.5	112.0	112.5	113.0	113.5	114.0	114.5	115.0	115.5	116.0	116.5	117.0	117.5	118.0	118.5	119.0	119.5	120.0	120.5	121.0	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5	126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0	130.5	131.0	131.5	132.0	132.5	133.0	133.5	134.0	134.5	135.0	135.5	136.0	136.5	137.0	137.5	138.0	138.5	139.0	139.5	140.0	140.5	141.0	141.5	142.0	142.5	143.0	143.5	144.0	144.5	145.0	145.5	146.0	146.5	147.0	147.5	148.0	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5	153.0	153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0	157.5	158.0	158.5	159.0	159.5	160.0	160.5	161.0	161.5	162.0	162.5	163.0	163.5	164.0	164.5	165.0	165.5	166.0	166.5	167.0	167.5	168.0	168.5	169.0	169.5	170.0	170.5	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0	175.5	176.0	176.5	177.0	177.5	178.0	178.5	179.0	179.5	180.0	180.5	181.0	181.5	182.0	182.5	183.0	183.5	184.0	184.5	185.0	185.5	186.0	186.5	187.0	187.5	188.0	188.5	189.0	189.5	190.0	190.5	191.0	191.5	192.0	192.5	193.0	193.5	194.0	194.5	195.0	195.5	196.0	196.5	197.0	197.5	198.0	198.5	199.0	199.5	200.0	200.5	201.0	201.5	202.0	202.5	203.0	203.5	204.0	204.5	205.0	205.5	206.0	206.5	207.0	207.5	208.0	208.5	209.0	209.5	210.0	210.5	211.0	211.5	212.0	212.5	213.0	213.5	214.0	214.5	215.0	215.5	216.0	216.5	217.0	217.5	218.0	218.5	219.0	219.5	220.0	220.5	221.0	221.5	222.0	222.5	223.0	223.5	224.0	224.5	225.0	225.5	226.0	226.5	227.0	227.5	228.0	228.5	229.0	229.5	230.0	230.5	231.0	231.5	232.0	232.5	233.0	233.5	234.0	234.5	235.0	235.5	236.0	236.5	237.0	237.5	238.0	238.5	239.0	239.5	240.0	240.5	241.0	241.5	242.0	242.5	243.0	243.5	244.0	244.5	245.0	245.5	246.0	246.5	247.0	247.5	248.0	248.5	249.0	249.5	250.0	250.5	251.0	251.5	252.0	252.5	253.0	253.5	254.0	254.5	255.0	255.5	256.0	256.5	257.0	257.5	258.0	258.5	259.0	259.5	260.0	260.5	261.0	261.5	262.0	262.5	263.0	263.5	264.0	264.5	265.0	265.5	266.0	266.5	267.0	267.5	268.0	268.5	269.0	269.5	270.0	270.5	271.0	271.5	272.0	272.5	273.0	273.5	274.0	274.5	275.0	275.5	276.0	276.5	277.0	277.5	278.0	278.5	279.0	279.5	280.0	280.5	281.0	281.5	282.0	282.5	283.0	283.5	284.0	284.5	285.0	285.5	286.0	286.5	287.0	287.5	288.0	288.5	289.0	289.5	290.0	290.5	291.0	291.5	292.0	292.5	293.0	293.5	294.0	294.5	295.0	295.5	296.0	296.5	297.0	297.5	298.0	298.5	299.0	299.5	300.0	300.5	301.0	301.5	302.0	302.5	303.0	303.5	304.0	304.5	305.0	305.5	306.0	306.5	307.0	307.5	308.0	308.5	309.0	309.5	310.0	310.5	311.0	311.5	312.0	312.5	313.0	313.5	314.0	314.5	315.0	315.5	316.0	316.5	317.0	317.5	318.0	318.5	319.0	319.5	320.0	320.5	321.0	321.5	322.0	322.5	323.0	323.5	324.0	324.5	325.0	325.5	326.0	326.5	327.0	327.5	328.0	328.5	329.0	329.5	330.0	330.5	331.0	331.5	332.0	332.5	333.0	333.5	334.0	334.5	335.0	335.5	336.0	336.5	337.0	337.5	338.0	338.5	339.0	339.5	340.0	340.5	341.0	341.5	342.0	342.5	343.0	343.5	344.0	344.5	345.0	345.5	346.0	346.5	347.0	347.5	348.0	348.5	349.0	349.5	350.0	350.5	351.0	351.5	352.0	352.5	353.0	353.5	354.0	354.5	355.0	355.5	356.0	356.5	357.0	357.5	358.0	358.5	359.0	359.5	360.0	360.5	361.0	361.5	362.0	362.5	363.0	363.5	364.0	364.5	365.0	365.5	366.0	366.5	367.0	367.5	368.0	368.5	369.0	369.5	370.0	370.5	371.0	371.5	372.0	372.5	373.0	373.5	374.0	374.5	375.0	375.5	376.0	376.5	377.0	377.5	378.0	378.5	379.0	379.5	380.0	380.5	381.0	381.5	382.0	382.5	383.0	383.5	384.0	384.5	385.0	385.5	386.0	386.5	387.0	387.5	388.0	388.5	389.0	389.5	390.0	390.5	391.0	391.5	392.0	392.5	393.0	393.5	394.0	394.5	395.0	395.5	396.0	396.5	397.0	397.5	398.0	398.5	399.0	399.5	400.0	400.5	401.0	401.5	402.0	402.5	403.0	403.5	404.0	404.5	405.0	405.5	406.0	406.5	407.0	407.5	408.0	408.5	409.0	409.5	410.0	410.5	411.0	411.5	412.0	412.5	413.0	413.5	414.0	414.5	415.0	415.5	416.0	416.5	417.0	417.5	418.0	418.5	419.0	419.5	420.0	420.5	421.0	421.5	422.0	422.5	423.0	423.5	424.0	424.5	425.0	425.5	426.0	426.5	427.0	427.5	428.0	428.5	429.0	429.5	430.0	430.5	431.0	431.5	432.0	432.5	433.0	433.5	434.0	434.5	435.0	435.5	436.0	436.5	437.0	437.5	438.0	438.5	439.0	439.5	440.0	440.5	441.0	441.5	442.0	442.5	443.0	443.5	444.0	444.5	445.0	445.5	446.0	446.5	447.0	447.5	448.0	448.5	449.0	449.5	450.0	450.5	451.0	451.5	452.0	452.5	453.0	453.5	454.0	454.5	455.0	455.5	456.0	456.5	457.0	457.5	458.0	458.5	459.0	459.5	460.0	460.5	461.0	461.5	462.0	462.5	463.0	463.5	464.0	464.5	465.0	465.5	466.0	466.5	467.0	467.5	468.0	468.5	469.0	469.5	470.0	470.5	471.0	471.5	472.0	472.5	473.0	473.5	474.0	474.5	475.0	475.5	476.0	476.5	477.0	477.5	478.0	478.5	479.0	479.5	480.0	480.5	481.0	481.5	482.0	482.5	483.0	483.5	484.0	484.5	485.0	485.5	486.0	486.5	487.0	487.5	488.0	488.5	489.0	489.5	490.0	490.5	491.0	491.5	492.0	492.5	493.0	493.5	494.0	494.5	495.0	495.5	496.0	496.5	497.0	497.5	498.0	498.5	499.0	499.5	500.0	500.5	501.0	501.5	502.0	502.5	503.0	503.5	504.0	504.5	505.0	505.5	506.0	506.5	507.0	507.5	508.0	508.5	509.0	509.5	510.0	510.5	511.0	511.5	512.0	512.5	513.0	513.5	514.0	514.5	515.0	515.5	516.0	516.5	517.0	517.5	518.0	518.5	519.0	519.5	520.0	520.5	521.0	521.5	522.0	522.5	523.0	523.5	524.0	524.5	525.0	525.5	526.0	526.5	527.0	527.5	528.0	528.5	529.0	529.5	530.0	530.5	531.0	531.5	532.0	532.5	533.0	533.5	534.0	534.5	535.0	535.5	536.0	536.5	537.0	537.5	538.0	538.5	539.0	539.5	540.0	540.5	541.0	541.5	542.0	542.5	543.0	543.5	544.0	544.5	545.0	545.5	546.0	546.5	547.0	547.5	548.0	548.5	549.0	549.5	550.0	550.5	551.0	551.5	552.0	552.5	553.0	553.5	554.0	554.5	555.0	555.5	556.0	556.5	557.0	557.5	558.0	558.5	559.0	559.5	560.0	560.5	561.0	561.5	562.0	562.5	563.0	563.5	564.0	564.5	565.0	565.5	566.0	566.5	567.0	567.5	568.0	568.5	569.0	569.5	570.0	570.5	571.0	571.5	572.0	572.5	573.0	573.5	574.0	574.5	575.0	575.5	576.0	576.5	577.0	577.5	578.0	578.5	579.0	579.5	580.0	580.5	581.0	581.5	582.0	582.5	583.0	583.5	584.0	584.5	585.0	585.5	586.0	586.5	587.0	587.5	588.0	588.5	589.0	589.5	590.0	590.5	591.0	591.5	592.0	592.5	593.0	593.5	594.0	594.5	595.0	595.5	596.0	596.5	597.0	597.5	598.0	598.5	599.0	599.5	600.0	600.5	601.0	601.5	602.0	602.5	603.0	603.5	604.0	604.5	605.0	605.5	606.0	606.5	607.0	607.5	608.0	608.5	609.0	609.5	610.0	610.5	611.0	611.5	612.0	612.5	613.0	613.5	614.0	614.5	615.0	615.5	616.0	616.5	617.0	617.5	618.0	618.5	619.0	619.5	620.0	620.5	621.0	621.5	622.0	622.5	623.0	623.5	624.0	624.5	625.0	625.5	626.0	626.5	627.0	627.5	628.0	628.5	629.0
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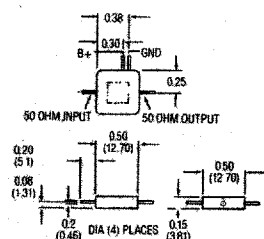
Outline Drawings

All unmarked Pins are internally grounded.

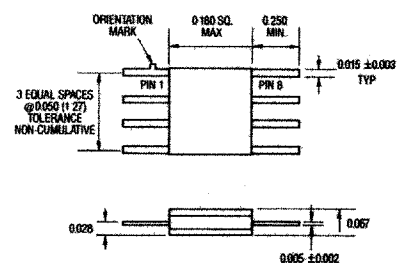
FP2 (Flatpack)



FP4 (Flatpack)



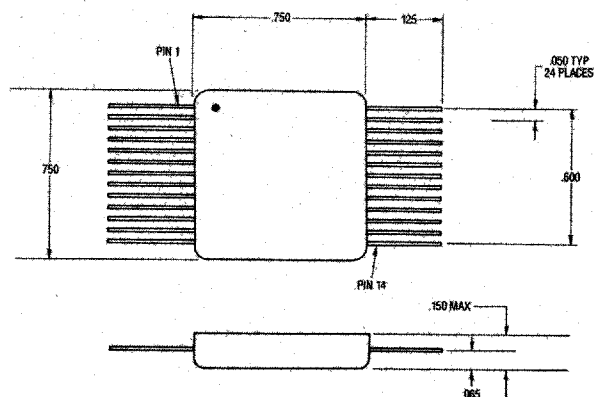
FP7 (Flatpack)



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

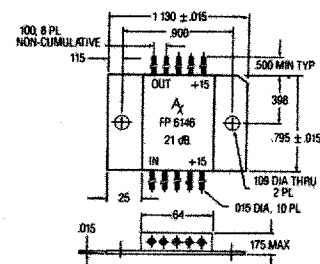
FP9 (Flatpack)



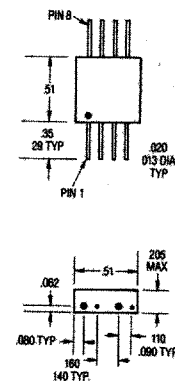
FP-9

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)



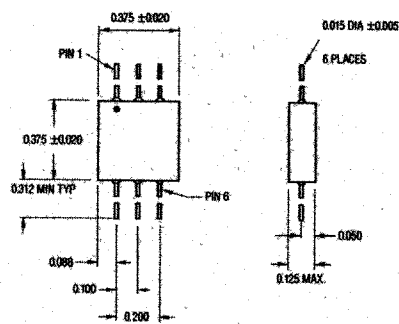
FP11 (Flatpack)



FP-11

Model No.	Def	V _{max}	V ₊
1000	7	3	1

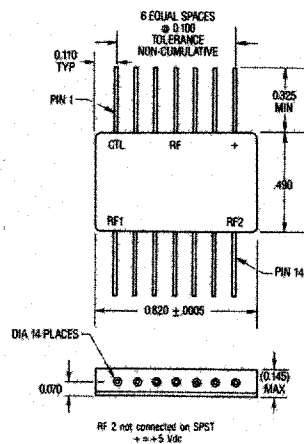
FP12 (Flatpack)



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)

