TYPE	MATERIAL	POLARITY	REPLACEMENT	PAGE NUMBER	USE	MAXIMUM RATINGS						ELECTRICAL CHARACTERISTICS								
						P_D @ 25°C	Ref Point	T_J °C	V_{CB} (volts)	V_{CE-} (volts)	Subscript	h_{FE} @ I_C (min)	(max)	Units	$V_{CE(SAT)}$ @ I_C (volts)	Units	h_{f-}	Subscript	f_- Units	Subscript
2N3766	S	N		7-142	LPA	20W	C	175	80	60	O	40	160	0.5A	2.5	1.0A	40	E	15M	T
2N3767	S	N		7-142	LPA	20W	C	175	100	80	O	40	160	0.5A	2.5	1.0A	40	E	15M	T
2N3770	G	P			RFA	50M	A	100	10	6.0	O	10	200	1.0M			10	E	100M	T
2N3771	S	N			LPA	150W	C	200	50	40	O	15	60	15A	2.0	15A	40	E	0.2M	T
2N3772	S	N	2N3715	7-125	LPA	150W	C	200	100	60	O	15	60	10A	1.4	10A	40	E	0.2M	T
2N3773	S	N			LPA	150W	C	200	160	140	O	15	60	8.0A	1.4	8.0A	40	E	0.2M	T
2N3774	S	P			PMS	5.0W	C	200	40	40	O	20	60	0.2A	0.2	0.2A			1.0M	T
2N3775	S	P			PMS	5.0W	C	200	60	60	O	20	60	0.2A	0.2	0.2A			1.0M	T
2N3776	S	P			PMS	5.0W	C	200	80	80	O	20	60	0.2A	0.2	0.2A			1.0M	T
2N3777	S	P			PMS	5.0W	C	200	100	100	O	20	60	0.2A	0.2	0.2A			1.0M	T
2N3778	S	P			PMS	5.0W	C	200	40	40	O	10	40	0.2A	0.2	0.2A			1.0M	T
2N3779	S	P			PMS	5.0W	C	200	60	60	O	10	40	0.2A	0.2	0.2A			1.0M	T
2N3780	S	P			PMS	5.0W	C	200	80	80	O	10	40	0.2A	0.2	0.2A			1.0M	T
2N3781	S	P			PMS	5.0W	C	200	100	100	O	10	40	0.2A	0.2	0.2A			1.0M	T
2N3782	S	P			PMS	5.0W	C	200	40	40	O	10	60	1.0A	0.75	1.0A			1.0M	T
2N3783	G	P		9-84	RFA	0.15W	A	100	30	20	O	20	200	3.0M	0.25	5.0M	20	E	0.8G	T
2N3784	G	P		9-84	RFA	0.15W	A	100	30	20	O	20	200	3.0M	0.25	5.0M	20	E	0.7G	T
2N3785	G	P		9-84	RFA	0.15W	A	100	15	12	O	15	200	3.0M	0.35	5.0M	15	E	0.7G	T
2N3788	S	N			LPA	100W	C	200	400	325	O	20	180	0.50A					50K	E
2N3789	S	P		7-147	LPA	150W	C	200	60	60	O	25	90	1.0A	1.0	5.0A	25	E	30K	E
2N3790	S	P		7-147	LPA	150W	C	200	60	80	O	25	90	1.0A	1.0	5.0A	25	E	30K	E
2N3791	S	P		7-147	LPA	150W	C	200	60	60	O	50	180	1.0A	1.0	5.0A	25	E	30K	E
2N3792	S	P		7-147	LPA	150W	C	200	80	80	O	50	180	1.0A	1.0	5.0A	25	E	30K	E
2N3793	S	N	MPS6530	5-118	AFA	0.25W	A	125	40	20	O	20	120	10M	0.4	10M			100M	T
2N3794	S	N	MPS6531	5-118	AFA	0.25W	A	125	40	20	O	100	600	10M	0.4	10M			100M	T
2N3795	S	P			PMS	5.0W	C	200	120	120	O	12	36	10M	0.2	10M			0.5M	T
2N3796	Field Effect Transistors, see Table on Page 1-166																			
2N3797																				
2N3798	S	P		8-278	AFA	0.36W	A	200	60	60	O	150	450	0.5M	0.2	0.1M	150	E	30M	T
2N3799	S	P		8-278	AFA	0.36W	A	200	60	60	O	300	900	0.5M	0.2		300	E	30M	T
2N3800	S	P		11-41	AFA	0.25W	A	200	60	60	O	150	450	0.1M	0.2	0.1M	150	E	100M	T
2N3801	S	P		11-41	AFA	0.25W	A	200	60	60	O	300	900	0.1M	0.2	0.1M	300	E	100M	T
2N3802	S	P		11-41	DFA	0.25W	A	200	60	60	O	150	450	0.1M	0.2	0.1M	150	E	100M	T
2N3803	S	P		11-41	DFA	0.25W	A	200	60	60	O	300	900	0.1M	0.2	0.1M	300	E	100M	T
2N3804	S	P		11-41	DFA	0.25W	A	200	60	60	O	150	450	0.1M	0.2	0.1M	150	E	100M	T
2N3805	S	P		11-41	DFA	0.25W	A	200	60	60	O	300	900	0.1M	0.2	0.1M	300	E	100M	T
2N3806	S	P		11-41	AFA	0.5W	A	200	60	60	O	150	450	0.1M	0.2	0.1M	150	E	100M	T
2N3807	S	P		11-41	AFA	0.5W	A	200	60	60	O	300	900	0.1M	0.2	0.1M	300	E	100M	T
2N3808	S	P		11-41	DFA	0.5W	A	200	60	60	O	150	450	0.1M	0.2	0.1M	150	E	100M	T
2N3809	S	P		11-41	DFA	0.5W	A	200	60	60	O	300	900	0.1M	0.2	0.1M	300	E	100M	T
2N3810	S	P		11-41	DFA	0.5W	A	200	60	60	O	150	450	0.1M	0.2	0.1M	150	E	100M	T
2N3811	S	P		11-41	DFA	0.5W	A	200	60	60	O	300	900	0.1M	0.2	0.1M	300	E	100M	T
2N3812	S	P		11-41	DFA	350M	A	200	60	60	O	150	450	0.1M	0.2	0.1M	150	E	100M	T
2N3813	S	P		11-41	DFA	350M	A	200	60	60	O	300	900	0.1M	0.2	0.1M	300	E	100M	T
2N3814	S	P		11-41	DFA	350M	A	200	60	60	O	150	450	0.1M	0.2	0.1M	150	E	100M	T
2N3815	S	P		11-41	DFA	350M	A	200	60	60	O	300	900	0.1M	0.2	0.1M	300	E	100M	T
2N3816	S	P		11-41	DFA	350M	A	200	60	60	O	150	450	0.1M	0.2	0.1M	150	E	100M	T
2N3817	S	P		11-41	DFA	350M	A	200	60	60	O	300	900	0.1M	0.2	0.1M	300	E	100M	T
2N3818	S	N		9-89	HPA	25W	C	175	60	60	S	5.0	50	400M	0.5	1.0A	3.0	E		
2N3819																				
thru	Field Effect Transistors, see Table on Page 1-166																			
2N3824																				
2N3825	S	N	MPS3398	5-86	RFC	0.25W	A	150	30	15	O	20		2.0M	0.25	2.0M			200M	T
2N3826	S	N	MPS3826	5-102	RFC	0.2W	A	150	60	45	O	40	160	10M					200M	T
2N3827	S	N	MPS3827	5-102	RFC	0.2W	A	150	60	45	O	100	400	10M					200M	T
2N3828	S	N	MPS6565	5-148	RFC	0.3W	A	150	40	40	O	30	200	12M					360M	T
2N3829	S	P			HSS	0.36W	A	200	35	20	O	30	120	30M	0.18	10M			350M	T
2N3830	S	N			HSS	1.0W	A	200	80	50	O	30		0.15A	0.3	0.15A			200M	T
2N3831	S	N			HSS	1.0W	A	200	70	40	O	35		0.15A	0.3	0.15A			200M	T
2N3832	S	N			HSS	0.2W	A	200	15	6.0	O	25	125	2.0M	0.4	10M			800M	T
2N3833	S	N			HPA				25	15	O	20		30M			2.5	E		
2N3834	S	N			HPA				25	15	O	20		30M			2.5	E		
2N3835	S	N			HPA				25	15	O	20		30M			2.5	E		
2N3836	S	N			PHS	1.0W	A	200	80	60	O	2K	20K	2.0A	1.8	5.0A			40M	T
2N3837	S	N			PHS	1.0W	A	200	100	80	O	2K	20K	2.0A	1.8	5.0A			40M	T
2N3838	S	N,P		11-45	HSA	0.25W	A	200	60	40	O	100	300	0.15A	0.4	0.15A	60	E	200M	T
2N3839	S	N			RFA	200M	A	200	30	15	O	30		3.0M					2.0G	T
2N3840	S	P			CHP	0.4W	A	200	50	50	O	30		0.2M	0.1	5.0M			6.0M	T
2N3841	S	P			CHP	0.3W	A	200	100	100	O	15		0.2M	0.12	5.0M			1.5M	T
2N3842	S	P			CHP	0.3W	A	200	120	120	O	10		1.0M		5.0M			1.0M	T
2N3843	S	N	MPS6512	5-109	RFC	0.2W	A	125	30	30	O	20	40	2.0M					60M	T
2N3843A	S	N	MPS6512	5-109	RFC	0.2W	A	125	30	30	O	20	40	2.0M					60M	T
2N3844	S	N	MPS6512	5-109	RFC	0.2W	A	125	30	30	O	35	70	2.0M					90M	T
2N3844A	S	N	MPS6512	5-109	RFC	0.2W	A	125	30	30	O	35	70	2.0M					90M	T
2N3845	S	N	MPS6512	5-109	RFC	0.2W	A	125	30	40	O	60	120	2.0M					126M	T
2N3845A	S	N	MPS6513	5-109	RFC	0.2W	A	125	30	30	O	60	120	2.0M					126M	T
2N3846	S	N			LPA	4.0W	A	175	300	200	O	10	60	10A	0.75	10A	50	E	10M	T
2N3847	S	N			LPA	4.0W	A	175	400	300	O	10	60	10A	0.75	10A	50	E	10M	T
2N3848	S	N			LPA	4.0W	A	175	300	300	O	10	60	15A	1.0	15A	50	E	10M	T
2N3849	S	N			LPA	4.0W	A	175	400	300	O	10	60	15A	1.0	15A	50	E	10M	T
2N3850	S	N			PHS	30W	C	200	100	80	O	50	150	1.0A	0.25	1.0A			20M	T
2N3851	S	N			PHS	30W	C	200	100	80	O	30	90	1.0A	0.25	1.0A			20M	T
2N3852	S	N			PHS	30W	C	200	60	40	O	50	150	1.0A	0.25	1.0A			20M	T
2N3853	S	N			PHS	30W	C	200	60	40	O	30	90	1.0A	0.25	1.0A			20M	T
2N3854	S	N	MPS6512	5-109	RFC	0.2W	A	150	18	18	O	35	70	2.0M					100M	T
2N3854A	S	N	MPS6512	5-109	RFC	0.2W	A	150	30	30	O	35	70	2.0M					100M	T
2N3855	S	N	MPS6512	5-109	RFC	0.2W	A	150	18	18	O	60	120	2.0M					130M	T
2N3855A	S	N	MPS6512	5-109	RFC	0.2W	A	150	30	30	O	60	120	2.0M					130M	T

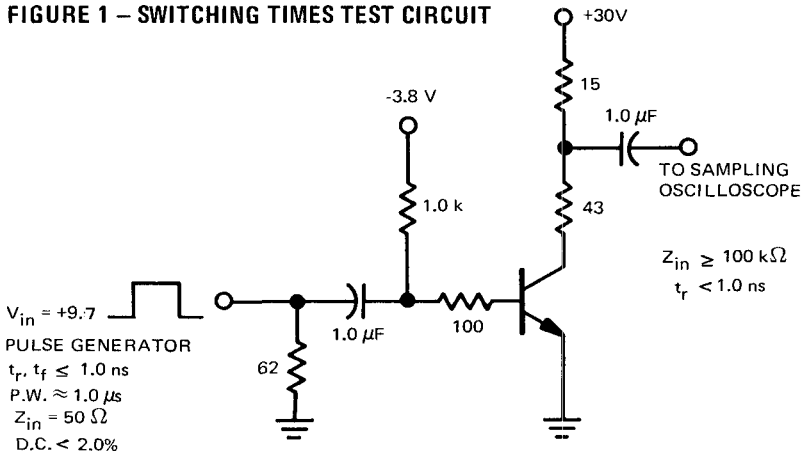
2N3724, 2N3725 — 2N4013, 2N4014 (continued)

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

Characteristic		Symbol	Min	Max	Unit
ON CHARACTERISTICS (continued)					
Collector-Emitter Saturation Voltage*		$V_{CE(sat)}$*			Vdc
(I_C = 10 mAdc, I_B = 1.0 mAdc)			-	0.25	
(I_C = 100 mAdc, I_B = 10 mAdc)	2N3724, 2N4013		-	0.20	
	2N3725, 2N4014		-	0.26	
(I_C = 300 mAdc, I_B = 30 mAdc)	2N3724, 2N4013		-	0.32	
	2N3725, 2N4014		-	0.40	
(I_C = 500 mAdc, I_B = 50 mAdc)	2N3724, 2N4013		-	0.42	
	2N3725, 2N4014		-	0.52	
(I_C = 800 mAdc, I_B = 80 mAdc)	2N3724, 2N4013		-	0.65	
	2N3725, 2N4014		-	0.80	
(I_C = 1.0 Adc, I_B = 100 mAdc)	2N3724, 2N4013		-	0.75	
	2N3725, 2N4014		-	0.95	
Base-Emitter Saturation Voltage*		$V_{BE(sat)}$*			Vdc
(I_C = 10 mAdc, I_B = 1.0 mAdc)			-	0.76	
(I_C = 100 mAdc, I_B = 10 mAdc)			-	0.86	
(I_C = 300 mAdc, I_B = 30 mAdc)			-	1.1	
(I_C = 500 mAdc, I_B = 50 mAdc)			0.9	1.2	
(I_C = 800 mAdc, I_B = 80 mAdc)			-	1.5	
(I_C = 1.0 Adc, I_B = 100 mAdc)			-	1.7	
SMALL-SIGNAL CHARACTERISTICS					
Current-Gain—Bandwidth Product (I_C = 50 mAdc, V_{CE} = 10 Vdc, f = 100 MHz)		f_T	300	-	MHz
Output Capacitance (V_{CB} = 10 Vdc, I_E = 0, f = 140 kHz)	2N3724, 2N4013	C_{ob}	-	12	pF
	2N3725, 2N4014		-	10	
Input Capacitance (V_{BE} = 0.5 Vdc, I_C = 0, f = 140 kHz)		C_{ib}	-	55	pF
SWITCHING CHARACTERISTICS					
Turn-On Time	(V_{CC} = 30 Vdc, $V_{BE(off)}$ = 3.8 Vdc, I_C = 500 mAdc, I_{B1} = 50 mAdc) (See Figure 1)	t_{on}	-	35	ns
Delay Time		t_d	-	10	ns
Rise Time		t_r	-	30	ns
Turn-Off Time	(V_{CC} = 30 Vdc, I_C = 500 mAdc, I_{B1} = I_{B2} = 50 mAdc) (See Figure 1)	t_{off}	-	60	ns
Storage Time		t_s	-	50	ns
Fall Time	2N3724, 2N4013	t_f	-	25	ns
	2N3725, 2N4014		-	30	

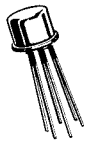
* Pulse Test: Pulse Width = 300 μs, Duty Cycle = 1.0%.

FIGURE 1 — SWITCHING TIMES TEST CIRCUIT



2N3800 thru 2N3817 (SILICON)
(JAN 2N3810 AND 2N3811 Available)

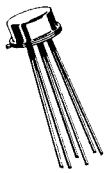
V_{CEO} = 60 V
I_C = 50 mA
P_D to 500 mW one side
600 mW both sides



CASE 35
(TO-71)

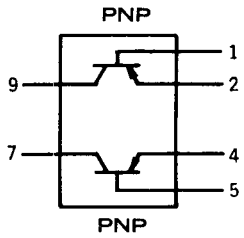
2N3800 thru 2N3805

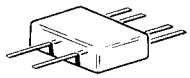
Dual PNP silicon annular transistors specifically designed for differential amplifier applications.



CASE 32C

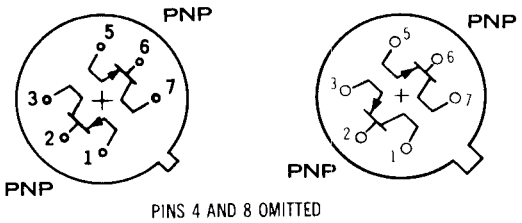
2N3806 thru 2N3811





CASE 33
(TO-89)

2N3812 thru 2N3817



PINS 4 AND 8 OMITTED

Pin Connections, Bottom View
All Leads Electrically Isolated from Case

MAXIMUM RATINGS (each side)

Rating	Symbol	Value		Unit
Collector-Emitter Voltage	V_{CEO}	60		Vdc
Collector-Base Voltage	V_{CB}	60		Vdc
Emitter-Base Voltage	V_{EB}	5.0		Vdc
Collector Current	I_C	50		mAdc
Operating and Storage Junction Temperature Range	T_J, T_{stg}	-65 to +200		°C
		One Side	Both Sides	
Total Device Dissipation @ T_A = 25°C	P_D			
Metal Can (2N3800 thru 2N3805)		250	360	mW
Derate above 25°C		1.5	2.06	mW/°C
Metal Can (2N3806 thru 2N3811)		500	600	mW
Derate above 25°C		2.9	3.4	mW/°C
Flat Package (2N3812 thru 2N3817)		250	350	mW
Derate above 25°C		1.5	2.0	mW/°C

2N3800 thru 2N3817 (continued)

ELECTRICAL CHARACTERISTICS (each side) (T_A = 25°C unless otherwise noted)
Characteristics apply also to corresponding flat package type numbers

Characteristic		Symbol	Min	Typ	Max	Unit
OFF CHARACTERISTICS						
Collector-Emitter Breakdown Voltage* (I_C = 10 mAdc, I_B = 0)		BV_{CEO}*	60	90	—	Vdc
Collector-Base Breakdown Voltage (I_C = 10 μAdc, I_E = 0)		BV_{CBO}	60	—	—	Vdc
Emitter-Base Breakdown Voltage (I_E = 10 μAdc, I_C = 0)		BV_{EBO}	5.0	—	—	Vdc
Collector Cutoff Current (V_{CB} = 50 Vdc, I_E = 0)		I_{CBO}	—	—	0.01	μAdc
(V_{CB} = 50 Vdc, I_E = 0, T_A = 150°C)			—	—	10	
Emitter Cutoff Current ($V_{BE(off)}$ = 4.0 Vdc, I_C = 0)		I_{EBO}	—	—	20	nAdc
ON CHARACTERISTICS						
DC Current Gain* (I_C = 1.0 μAdc, V_{CE} = 5.0 Vdc)	2N3801, 3, 5, 7, 9, 11, 13, 15, 17	h_{FE}*	75	—	—	—
(I_C = 10 μAdc, V_{CE} = 5.0 Vdc)	2N3800, 2, 4, 6, 8, 10, 12, 14, 16		100	—	—	
	2N3801, 3, 5, 7, 9, 11, 13, 15, 17		225	—	—	
(I_C = 100 μAdc, V_{CE} = 5.0 Vdc)	2N3800, 2, 4, 6, 8, 10, 12, 14, 16		150	—	450	
	2N3801, 3, 5, 7, 9, 11, 13, 15, 17		300	—	900	
(I_C = 100 μAdc, V_{CE} = 5.0 Vdc, T_A = -55°C)	2N3800, 2, 4, 6, 8, 10, 12, 14, 16		75	—	—	
	2N3801, 3, 5, 7, 9, 11, 13, 15, 17		150	—	—	
(I_C = 500 μAdc, V_{CE} = 5.0 Vdc)	2N3800, 2, 4, 6, 8, 10, 12, 14, 16		150	—	450	
	2N3801, 3, 5, 7, 9, 11, 13, 15, 17		300	—	900	
(I_C = 1.0 mAdc, V_{CE} = 5.0 Vdc)	2N3800, 2, 4, 6, 8, 10, 12, 14, 16		150	—	450	
	2N3801, 3, 5, 7, 9, 11, 13, 15, 17		300	—	900	
(I_C = 10 mAdc, V_{CE} = 5.0 Vdc)	2N3800, 2, 4, 6, 8, 10, 12, 14, 16		125	—	—	
	2N3801, 3, 5, 7, 9, 11, 13, 15, 17		250	—	—	
Collector-Emitter Saturation Voltage* (I_C = 100 μAdc, I_B = 10 μAdc)		$V_{CE(sat)}$*	—	—	0.2	Vdc
(I_C = 1.0 mAdc, I_B = 100 μAdc)			—	—	0.25	
Base-Emitter Saturation Voltage* (I_C = 100 μAdc, I_B = 10 μAdc)		$V_{BE(sat)}$*	—	—	0.7	Vdc
(I_C = 1.0 mAdc, I_B = 100 μAdc)			—	—	0.8	
Base-Emitter On Voltage (I_C = 100 μAdc, V_{CE} = 5.0 Vdc)		$V_{BE(on)}$	—	—	0.7	Vdc
SMALL SIGNAL CHARACTERISTICS						
Current-Gain — Bandwidth Product (I_C = 500 μAdc, V_{CE} = 5.0 Vdc, f = 30 MHz)		f_T	30	—	—	MHz
(I_C = 1.0 mAdc, V_{CE} = 5.0 Vdc, f = 100 MHz)			100	—	500	
Output Capacitance (V_{CB} = 5.0 Vdc, I_E = 0, f = 100 kHz)		C_{ob}	—	—	4.0	pF
Input Capacitance ($V_{BE(off)}$ = 0.5 Vdc, I_C = 0, f = 100 kHz)		C_{ib}	—	—	8.0	pF
Input Impedance (I_C = 1.0 mAdc, V_{CE} = 10 Vdc, f = 1.0 kHz)	2N3800, 2, 4, 6, 8, 10, 12, 14, 16	h_{ie}	3.0	—	15	k ohms
	2N3801, 3, 5, 7, 9, 11, 13, 15, 17		10	—	40	
Voltage Feedback Ratio (I_C = 1.0 mAdc, V_{CE} = 10 Vdc, f = 1.0 kHz)		h_{re}	—	—	25	X 10^{-4}
Small-Signal Current Gain (I_C = 1.0 mAdc, V_{CE} = 10 Vdc, f = 1.0 kHz)	2N3800, 2, 4, 6, 8, 10, 12, 14, 16	h_{fe}	150	—	600	—
	2N3801, 3, 5, 7, 9, 11, 13, 15, 17		300	—	900	
Output Admittance (I_C = 1.0 mAdc, V_{CE} = 10 Vdc, f = 1.0 kHz)		h_{oe}	5.0	—	60	μmhos
Noise Figure (I_C = 100 μAdc, V_{CE} = 10 Vdc, R_S = 3.0 k ohms,		NF				dB
f = 100 Hz)	2N3800, 2, 4, 6, 8, 10, 12, 14, 16		—	4.0	7.0	
	2N3801, 3, 5, 7, 9, 11, 13, 15, 17		—	2.5	4.0	
f = 1.0 kHz)	2N3800, 2, 4, 6, 8, 10, 12, 14, 16		—	1.5	3.0	
	2N3801, 3, 5, 7, 9, 11, 13, 15, 17		—	0.8	1.5	
f = 10 kHz)	2N3800, 2, 4, 6, 8, 10, 12, 14, 16		—	1.0	2.5	
	2N3801, 3, 5, 7, 9, 11, 13, 15, 17		—	0.8	1.5	
Noise Bandwidth = 10 Hz to 15.7 kHz)	2N3800, 2, 4, 6, 8, 10, 12, 14, 16		—	2.5	3.5	
	2N3801, 3, 5, 7, 9, 11, 13, 15, 17		—	1.5	2.5	
MATCHING CHARACTERISTICS						
DC Current Gain Ratio** (I_C = 100 μAdc, V_{CE} = 5.0 Vdc)	2N3802, 3, 8, 9, 14, 15	h_{FE1}/h_{FE2}**	0.8	—	1.0	—
	2N3804, 5, 10, 11, 16, 17		0.9	—	1.0	
Base Voltage Differential (I_C = 10 μAdc, to 10 mAdc, V_{CE} = 5.0 Vdc)	2N3802, 3, 8, 9, 14, 15	$\lvert V_{BE1}-V_{BE2}\rvert$	—	—	8.0	mVdc
	2N3804, 5, 10, 11, 16, 17		—	—	5.0	
(I_C = 100 μAdc, V_{CE} = 5.0 Vdc)	2N3802, 3, 8, 9, 14, 15		—	—	5.0	
	2N3804, 5, 10, 11, 16, 17		—	—	3.0	
Base Voltage Differential Gradient (I_C = 100 μAdc, V_{CE} = 5.0 Vdc, T_A = -55 to +25°C)		$\frac{\Delta(V_{BE1}-V_{BE2})}{\Delta T_A}$				mVdc
	2N3802, 3, 8, 9, 14, 15		—	—	1.6	
	2N3804, 5, 10, 11, 16, 17		—	—	0.8	
(I_C = 100 μAdc, V_{CE} = 5.0 Vdc, T_A = +25 to +125°C)						
	2N3802, 3, 8, 9, 14, 15		—	—	2.0	
	2N3804, 5, 10, 11, 16, 17		—	—	1.0	

*Pulse Test: Pulse width ≤300 μs, duty cycle ≤2% **The lowest h_{FE} reading is taken as h_{FE1} for this ratio.

2N3800 thru 2N3817 (continued)

SMALL-SIGNAL CHARACTERISTICS

NOISE FIGURE

FIGURE 1 — FREQUENCY EFFECTS

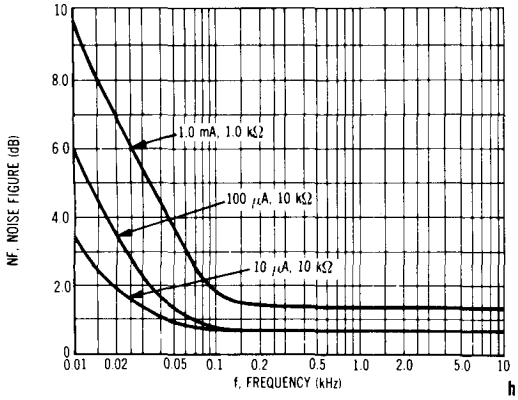
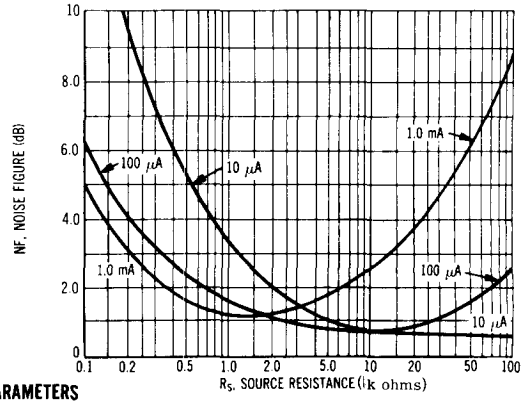


FIGURE 2 — SOURCE RESISTANCE EFFECTS



h PARAMETERS

V_{CE} = 10 Vdc, f = 1 kHz, T_A = 25°C

FIGURE 3 — INPUT IMPEDANCE

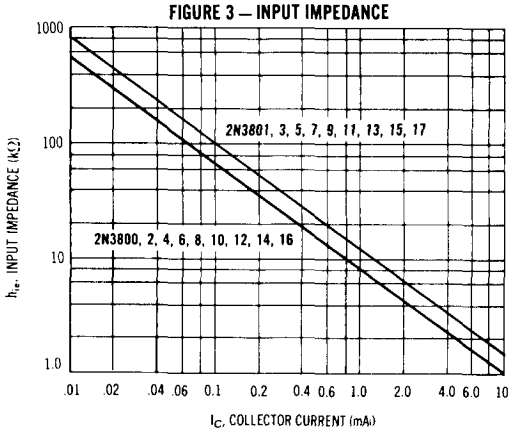


FIGURE 4 — VOLTAGE FEEDBACK RATIO

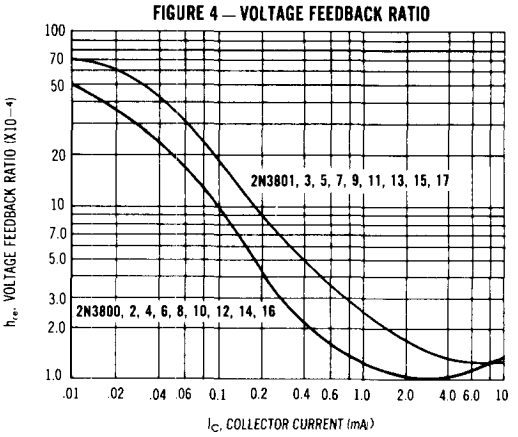


FIGURE 5 — CURRENT GAIN

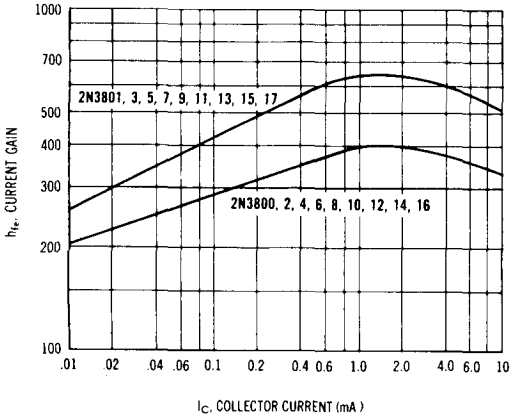
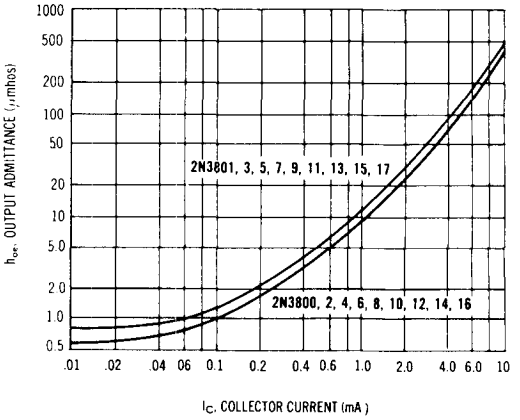
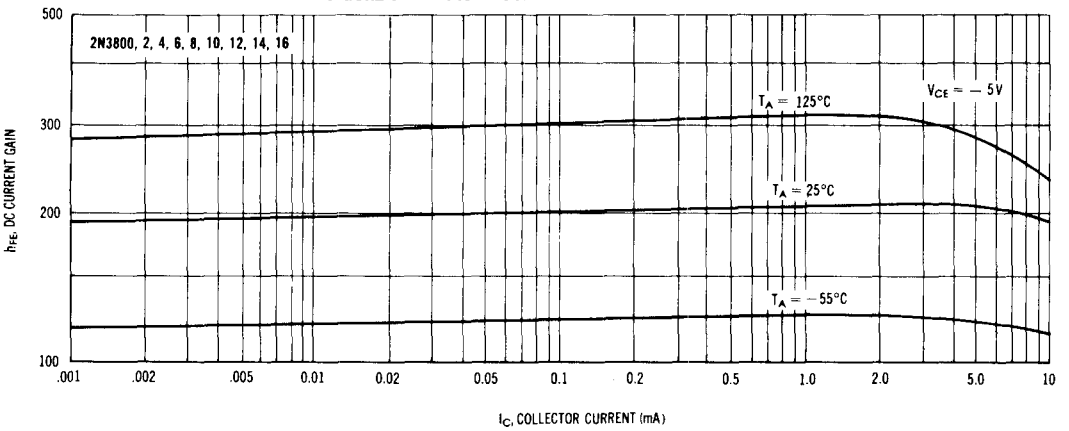


FIGURE 6 — OUTPUT ADMITTANCE



2N3800 thru 2N3817 (continued)

FIGURE 7 — TYPICAL CURRENT-GAIN CHARACTERISTICS



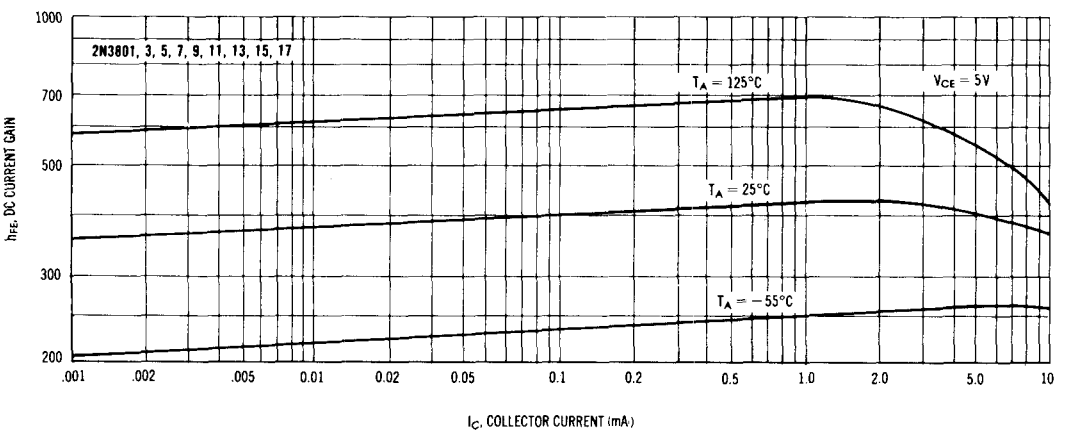


FIGURE 8 — BASE-EMITTER "ON" VOLTAGE versus TEMPERATURE