

PNP High Speed Saturated Switching Transistors

Metal Can (TO18, TO39)

REFERENCE TABLE For medium speed - see general purpose section

Code	MAX RATINGS		CHARACTERISTICS @ 25°C							Stock No.	Outline Drawing No.
	V _{CEO} volts Min.	P _{TO T} T _A =25°C mW	ts (t _{off}) ns @ I _C Max. mA	h _{FE} Min.	h _{FE} @ I _C Max. mA	I _C mA	V _{CE} (sat) volts @ I _C Max. mA	f _T MHz	C _{ob} pF		
BSX29	12	360	(90) 30	30	120	30	0.2 30	400	6.0	35322H	65
2N2894	12	360	(90) 30	30	150	30	0.2 30	400	6.0	35323F	65
2N2894A	12	360	20 10	40	120	30	0.19 30	800	4.5	35324D	65
2N3209	20	360	(90) 30	30	120	30	0.2 30	400	5.0	35325B	65
2N5023	30	1000	(90) 500	40	100	500	0.35 500	200	25	35326X	66

PNP High Speed Saturated Switching Transistors

Plastic Package

REFERENCE TABLE For medium speed—see general purpose section

Code	MAX RATINGS		CHARACTERISTICS @ 25°C							Stock No.	Outline Drawing No.
	V _{CEO} volts Min.	P _{TO T} T _A =25°C mW	ts ns @ I _C Max. mA	h _{FE} Min.	h _{FE} @ I _C Max. mA	I _C mA	V _{CE} (sat) volts @ I _C Max. mA	f _T MHz	C _{ob} pF		
MPSL07	6	625	15 10	30	120	10	0.15 10	500	3.0	35327R	73
MPSL08	12	625	20 10	30	120	10	0.15 10	700	3.0	35328G	73
2N4258	12	200	20 10	30	120	10	0.15 10	700	3.0	35329E	129

PNP General Purpose Amplifier and Switching Transistors

Metal Can (TO18, TO39)

REFERENCE TABLE Also see low level and high voltage section

Code	MAX RATINGS		CHARACTERISTICS @ 25°C							Stock No.	Outline Drawing No.
	V _{CEO} Volts Min.	P _{TO T} T _A =25°C mW	h _{FE} Min.	h _{FE} @ I _C Max. mA	I _C mA	V _{CE} (sat) volts @ I _C Max. mA	C _{ob} pF	f _T MHz	t _{off} ns		
BCY70	40	360	50	—	10	0.25 10	6.0 200	—	—	36058C	65
BCY71	45	360	100	600	10	0.25 10	6.0 200	—	—	36059A	65
BCY72	25	360	50	—	10	0.25 10	6.0 200	—	—	36060D	65
BFX48	30	360	960	—	10	0.3 50	3.5 400	—	—	36061B	65
2N1132	35	600	30	90	150	1.5 150	4.5 60	—	—	36062D	66
2N2904	40	600	40	120	150	0.4 150	8.0 200	110	—	36063B	66
2N2904A	60	600	40	120	150	0.4 150	8.0 200	110	—	36062X	66
2N2905	40	600	100	300	150	0.4 150	8.0 200	110	—	36063R	66
2N2905A	60	600	100	300	150	0.4 150	8.0 200	110	—	36064G	66
2N2906	40	400	40	120	150	0.4 150	8.0 200	110	—	36064X	65
2N2906A	60	—	40	120	150	0.4 150	8.0 200	110	—	36065E	65
2N2907	40	400	100	300	150	0.4 150	8.0 200	110	—	36066C	65
2N2907A	60	400	100	300	150	0.4 150	8.0 200	110	—	36067A	65

MANUFACTURER'S CURRENT LIST PRICES ARE ALWAYS CHARGED

PNP Small Signal Transistors
REFERENCE TABLE

Code	Max P_{TOT} @ $T_{AMB}=25^{\circ}C$ (W)	V_{CEO} (V)	I_C Range (mA)	h_{FE}	@ I_C (mA)	Max NF (dB)	Min f_T	Stock No.	Outline Drawing No.
BC477	0.36	80	0.01-150	70-250	2	10	—	34337X	65
BC478	0.36	50	0.01-150	110-450	2	6	—	34338H	65
BC479	0.36	40	0.01-150	200-450	2	4	—	34682R	65
BFR38	0.175	35	0.1-20	>25	3	3.5	850	31523X	70
BFR99	0.225	25	1-50	>25	10	4	2300	34568B	70
BFX37	0.36	80	0.0001-100	125-280	1	2.5	40	19049X	65
BFX48	0.36	30	0.01-100	>90	10	6	400	19054E	65
BFY18	0.36	25	0.01-50	26-100	10	—	200	29303D	65
V405A	0.3	12	—	>20	10	—	400	19119C	65
V741	0.36	30	0.01-10	>50	0.1	—	30	19124R	65
V761	0.4	25	5-100	>40	10	—	40	19127C	65
V763	0.4	25	10-150	>30	50	—	100	19128A	65
2N2904	0.6	40	—	40-120	150	—	200	34538C	67
2N2904A	0.6	60	—	40-120	150	—	200	34585X	67
2N2905	0.6	40	—	100-300	150	—	200	29190A	67
2N2905A	0.6	60	—	100-300	150	—	200	34537E	67
2N2906	0.4	40	—	40-120	150	—	200	34586R	65
2N2906A	0.4	60	—	40-120	—	—	200	34335C	65
2N2907	0.4	40	—	100-300	150	—	200	29191X	65
2N2907A	0.4	60	—	100-300	150	—	200	34336A	65

PNP Medium Power Transistors
REFERENCE TABLE

Code	Max P_{TOT} @ $T_{AMB}=25^{\circ}C$ (W)	V_{CEO} (V)	Max I_C (A)	h_{FE}	@ I_C (mA)	Min f_T (MHz)	Stock No.	Outline Drawing No.
BC303	6*	60	7	40-240	150	75	31627E	66
BC304	6*	45	7	40-240	150	75	31628C	
BFX38	0.8	55	1	>60	500	100	19050B	
BFX39	0.8	55	1	>25	500	100	19051X	
BFX40	0.8	75	1	>60	500	100	19052R	
BFX41	0.8	75	1	>25	500	100	19053G	
BFX87	0.6	50	0.6	>40	150	100	34348B	
BFX88	0.6	40	0.6	>40	150	100	34350E	
BFY64	0.7	40	0.5	>80	10	200	19066H	
V410A	0.7	35	—	>40	50	100	19120F	
V745	0.8	40	0.5	>30	100	80	19126E	65
V765	0.7	120	0.05	>40	25	40	19129X	
2N4033	0.8	80	—	100-300	100	150	31529R	

* @ $T_{CASE}=25^{\circ}C$

PLEASE QUOTE STOCK NO. AND MANUFACTURER'S CODE WHEN ORDERING