

## BIPOLAR TRANSISTORS

Catalog Number	Direct Commercial Equivalent	Mat.	Appli.	Polarity	Power Diss. $f_T$		$V_{CB0}$ V	$V_{CE0}$ V	$V_{EB0}$ V	$I_C$ Max	$I_B$ Max	$h_{FE}$	@ $V_{CE}$ V	@ $I_C$ mA	$I_{CB0}$ at max $V_{CB}$	Case Style
					@25°C Free Air	Typical MHz										
276-1604#	2N3906**	S	G.P.	PNP	350mW	250	40	40	5	200mA	—	60	1	0.1	—	T092
276-1617#	2N2222**	S	G.P.	NPN	500mW	250	60	30	5	800mA	—	35	10	0.1	—	T018
276-2009	MPS2222A	S	G.P.	NPN	625mW	300	75	40	6	800mA	—	50	10	1	10nA	T092
276-2016	MPS3904	S	S	NPN	625mW	300	60	40	6	200mA	—	100-300	10	1	50nA	T092
276-2017	TIP31	S	P	NPN	40W‡	3	40	40	5	3A	1A	10-50	4	3A	300 $\mu$ A	T0220AB-2
276-2020	TIP3055	S	P	NPN	90W‡	3	100	70	7	15A	7A	20-70	4	4A	1mA	T0220
276-2023	MPS2907	S	S	PNP	625mW	200	60	40	5	600mA	—	50	10	1	20nA	T092
276-2027	MJE34	S	P	PNP	90W‡	3	40	40	5	10A	3A	20-100	4	3A	220 $\mu$ A	T0220
276-2030	2N3053	S	P	NPN	1W	100	60	40	5	700mA	—	50-250	10	150	—	T039
276-2041	2N3055	S	P	NPN	115W‡	2.5	100	60	7	15A	7A	20-70	4	1A	—	T03
276-2043	MJ2955	S	P	PNP	150W‡	4	100	60	7	15A	7A	70	10	0.5	0.7mA	T03
276-2055	2SC1308	S	SW	NPN	50W‡	—	1500	400	6	7A	0.8A	3	2	4A	100 $\mu$ A	T03
276-2058	2N4401	S	G.P.	NPN	625mW	250 min.	40	60	6	600mA	—	100-300	10	1	0.1 $\mu$ A	T092
276-2068	TIP120	S	P*	NPN	65W‡	0.1	60	60	5	5A	120mA	2500	3	500	0.2mA	T0220AB-2

**NOTE:** All ratings given are for 25°C except where otherwise noted.

#—Archer-Pack

‡With heat sink

\*\*Similar to

**MATERIAL:**

S—Silicon; G—Germanium

**APPLICATION:**

S—Switch

G.P.—General Purpose

P—Power amp/switch

RF/IF—RF/IF frequency

\*—High Gain Darlington

UHF—Ultrahigh frequency

LL—Low Level

SW—TV Sweep