

Complimentary Darlington
Apex AA9MD

NPN	vendor	Housing	Pinout 1,2,3	V CEO	IC	Ib	Cbo @ 20V- 30V , 1MHZ	Power	DC Curent = hfe 3A,3V	hfe by Vunce
BDW93C	STM Microelectronics	TO-220	1B,2C,3E	100V	12A	0,2A	60-70pf	80W	1000	35-36
BDW93B	onsemi	TO-220		80V	12A	0,2A	60-70pf	80W	1000	
BDW93A	Fairchild	TO-220		60V	12A	0,2A	60-70pf	80W	1000	
BDW93	with protection diode	TO-220		45V	12A	0,2A	60-70pf	80W	1000	
PNP BDW94C		TO-220	1B, 2C, 3E	-100V						32
NPN	vendor	Housing	Pinout 1,2,3	V CEO	IC	Ib	Cbo @ 10V , 1MHZ	Power	DC Curent = hfe 2A,1V	
KSE44H 10,11	onsemi	TO-220	1B,2C,3E	80V	10A	x	130pF	50W	35 -60	
KSE44H 7,8	Fairchild	TO-220		60V	10A	x	130pF	50W	36 -60	
PNP KSE45 10,11		TO-220	1B, 2C, 3E							
NPN	vendor	Housing	Pinout 1,2,3	V CEO	IC	Ib	Cbo @ 20V- 30V , 1MHZ	Power	DC Curent = hfe 3A,3V	
BDX53C	onsemi	TO-220	1B,2C,3E	100V	8A	0,2A	70-80pF	65W	750	
BDX53B		TO-220		80V	8A	0,2A	70-80pF	65W	750	
PNP BDX54C	with protection diode	TO-220	1B, 2C, 3E				110-120pF	65W	750	
NPN	vendor	Housing	Pinout 1,2,3	V CEO	IC	Ib	Cbo @ 10V , 1MHZ	Power	DC Curent = hfe 3A,3V	
BDX33C	STM Microelectronics	TO-220	1B,2C,3E	100V	15A	0,25A	40-50pF	70W	750	
BDX33B	onsemi, Fairchild, Harris	TO-220		80V	15A	0,25A	40-50pF	70W	750	
PNP BDX34C	with protection diode	TO-220	1B, 2C, 3E							
NPN	vendor	Housing	Pinout 1,2,3	V CEO	IC	Ib	Cbo @ 20V- 30V , 1MHZ	Power	DC Curent = hfe 3A,3V	
MJF6388G	onsemi	TO-220 FP	1B,2C,3E	100V	10A	1A	60-70pF	40W	3000	
	without protection diode	TO-220 FP		80V	10A	1A	60-70pF	40W	3000	
PNP MJF6668		TO-220 FP	1B, 2C, 3E							
NPN	vendor	Housing	Pinout 1,2,3	V CEO	IC	Ib	Cbo @ 10V , 1MHZ	Power	DC Curent = hfe 1A,1V	
TTC3710B, 54X	Toshiba	TO-220 SIS	1B,2C,3E	80V	12A	2A	220pF	30W	120-240 , no darlington	
PNP TTA1452B		TO-220 SIS	1B, 2C, 3E	80V	12A	2A		30W	120-240 , no darlington	
NPN	vendor	Housing	Pinout 1,2,3	V CEO	IC	Ib	Cbo @ 10V , 1MHZ	Power	DC Curent = hfe 1A,4V	
TIP31 C	STM Microelectronics	TO-220	1B,2C,3E	100V	10A	1A	x	40W	R=10-24, O=20-44, Y= 40-50	
TIP31 B	without protection diode	TO-220		80V	10A	1A	x	40W	R=10-24, O=20-44, Y= 40-50	
PNP TIP41 BG		TO-220	1B, 2C, 3E	-100V						
NPN	vendor	Housing	Pinout 1,2,3	V CEO	IC	Ib	Cbo @ 20V- 30V , 1MHZ	Power	DC Curent = hfe 1A,5V	
2N6388G	onsemi	TO-220	1B,2C,3E	80V	10A	0,25	70-80pF	65W	1000	
2N6387G	with protection diode	TO-220		60V	10A	0,25	70-80pF	65W	1000	
PNP 2N6668		TO-220	1B, 2C, 3E	-80V						
NPN /PNP	vendor	Housing	Pinout 1,2,3	V CEO	IC	Ib	Cbo @ 20V- 30V , 1MHZ	Power	DC Curent = hfe 3A,4V	
TIP102/TIP107	onsemi	TO-220	1B,2C,3E	100V	8A	1A	70-80pF	80W	1000	
TIP101/TIP106	with protection diode	TO-220		80V	8A	1A	70-80pF	80W	1000	
TIP100/TIP105		TO-220		60V	8A	1A	110-120pF	80W	1000	
NPN /PNP	vendor	Housing	Pinout 1,2,3	V CEO	IC	Ib	Cbo @ 20V- 30V , 1MHZ	Power	DC Curent = hfe 0,5A, 3V	
TIP122/TIP127	onsemi	TO-220	1B,2C,3E	100V	5A	0,12A	70-80pF	65W	1000	
TIP121/TIP126	with protection diode	TO-220		80V	5A	0,12A	70-80pF	65W	1000	
TIP120/TIP125		TO-220		60V	5A	0,12A	110-120pF	65W	1000	
NPN	vendor	Housing	Pinout 1,2,3	V CEO	IC	Ib	Cbo @ 10V , 1MHZ	Power	DC Curent = hfe 5A,4V	
TIP142T	STM Microelectronics	TO-220	1B,2C,3E	100V	10A	0,5A	x	90W	1000	
PNP TIP147T	without protection diode	TO-220	1B, 2C, 3E	-100V						
NPN	vendor	Housing	Pinout 1,2,3	V CEO	IC	Ib	Cbo @ 20V- 30V , 1MHZ	Power	DC Curent = hfe 3A,3V	
D44VM10	Harris	TO-220	1B,2C,3E	80V	8A	2A	70-80pF	50W	20 - 40	
D44VM7		TO-220		60V	8A	2A	70-80pF	50W	20 - 40	
PNP DVM4510		TO-220	1B, 2C, 3E	-80						
NPN	vendor	Housing	Pinout 1,2,3	V CEO	IC	Ib	Cbo @ 20V- 30V , 1MHZ	Power	DC Curent = hfe 3A,3V	
KSC2073	onsemi, Fairchild	TO-220	1B,2C,3E	150V	1,5A	0,5	55pF	25W	H1 = 40-80, H2=60-150	
PNP KSA940TU		TO-220	1B, 2C, 3E	-150V						
NPN	vendor	Housing	Pinout 1,2,3	V CEO	IC	Ib	Cbo @ 20V- 30V , 1MHZ	Power	DC Curent = hfe 0,3A, 4V	
BD243C	onsemi, Fairchild	TO-220	1B,2C,3E	100V	6A	2A	50pF	65W	15-30, no darlington	
BD243BTU		TO-220		80V			50pF	65W		
PNP 244B,C		TO-220	1B, 2C, 3E				50pF	65W		
NPN	vendor	Housing	Pinout 1,2,3	V CEO	IC	Ib	Cbo @ 20V- 30V , 1MHZ	Power	DC Curent = hfe 0,3A, 4V	
BUW64A	onsemi, Fairchild	TO-220	1B,2C,3E	140V	7A	5A	50-150pF	50W	20-30, no darlington	
BUW64B		TO-220		160V	7A	5A	50-150pF	50W	20-30, no darlington	
BUW64C		TO-220		180V	7A	5A	50-150pF	50W	20-30, no darlington	
PNP										
NPN	vendor	Housing	Pinout 1,2,3	V CEO	IC	Ib	Cbo @ 10V , 1MHZ	Power	DC Curent = hfe 1A,1V	
25C4381	Sanken	TO-220 F	1B,2C,3E	150V	2A	1A	220pF	25W	60, no darlington	
25C4382		TO-220 F		200V	2A	1A	220pF	25W	60, no darlington	
PNP 25A1667/1668		TO-220 F	1B, 2C, 3E	-150V			220pF	25W	60, no darlington	