

# BIPOLAR TRANSISTORS

## Ratings and Specifications

COLLMER SEMICONDUCTOR INC 48E D ■ 2238792 0001603 139 ■ COL

T-33-13

### 11 Buffer drive transistors

- Best suited for driving transistor modules.
- All terminals are insulated from mounting plate.

Device type	V <sub>CB0</sub>	V <sub>CE0</sub>	V <sub>CE0</sub>	I <sub>c</sub>	P <sub>c</sub>	h <sub>FE</sub>	I <sub>c</sub>	V <sub>CE</sub>	Switching time (Max.)			Package	Net weight Grams	Equivalent circuit Page 40
	Volts	Volts	(sus) Volts	cont. Amps.	Watts	min.	Amps.	Volts	t <sub>on</sub> μsec.	t <sub>off</sub> μsec.	t <sub>r</sub> μsec.			
1S150A-050	600	600	450	50	300	8	40	5	—	—	—	M102	100	Fig. A1
2SC3047	850	500	500	6	40	15	0.5	5	1.0	3.0	1.0	TO-220AB	2	—
2SC3549	900	800	800	3	40	10	1	5	1.0	4.0	0.8	TO-220AB	2	—
2SC3551	900	800	800	5	80	10	2	5	1.0	4.0	0.8	TO-3P	6	—
1S110A-100	1000	1000	800	10	160	10	4	5	—	—	—	M101	33	Fig. A1
1S150A-100	1000	1000	800	50	300	4	30	5	—	—	—	M102	100	Fig. A2
1S1100A-100	1000	1000	800	100	600	4	60	5	—	—	—	M103	200	Fig. A2
ET391	600	450	450	5	40	200	3	5	1.5	10	2.0	TO-220F	2.5	Fig. B6
ET191	600	600	450	12	100	100	12	5	1.5	10	2	TO-3P	6	Fig. B6
ET206	850	500	500	10	80	15	1	5	1.0	3.5	1.0	TO-3P	6	—
ET1275	1000	1000	700	15	120	20	12	5	3	15	2	M101	33	Fig. B10
ET383	1000	800	1000*	5	80	10	2	5	1.0	4.0	0.8	TO-3P	6	—

\* V<sub>CEX</sub> (sus)

### 12 General use transistors

- Can be available to general applications
- Designed for complementary use

Device type	V <sub>CB0</sub>	V <sub>CE0</sub>	V <sub>CE0</sub>	I <sub>c</sub>	P <sub>c</sub>	h <sub>FE</sub>	I <sub>c</sub>	V <sub>CE</sub>	Switching time (Max.)			Package	Net weight Grams	Equivalent circuit Page 40
	Volts	Volts	(sus) Volts	cont. Amps.	Watts	min.	Amps.	Volts	t <sub>on</sub> μsec.	t <sub>off</sub> μsec.	t <sub>r</sub> μsec.			
2SD847	40	40	40	15	100	40	5	5	—	—	—	TO-3P	6	—
2SD1157	80	50	50	4	25	250	0.5	5	0.5	3.0	0.8	TO-220AB	2	—
2SC2189	150	100	100	10	80	40	4	5	1.0	3.0	1.0	TO-3	19	—
2SB757	-40	-40	-40	-15	100	40	-5	-2	—	—	—	TO-3P	6	—
2SB1532	-40	-40	-40	-10	40	40	-2	-5	—	—	—	TO-220F	2.5	—
2SB850	-40	-40	-40	-10	50	40	-2	-5	—	—	—	TO-220AB	2	—
2SB862	-120	-120	-80	-5	30	1000	-1	-5	—	—	—	TO-220AB	2	—
ET367	-120	-120	-80	-5	30	1000	-1	-5	—	—	—	TO-220F	2.5	Fig. B1