

**SINGLE DIFFUSED NPN MESA TRANSISTORS**

Devices, Inc.

### 3 AMP NPN

DEVICE TYPE	V <sub>CEO</sub> VOLTS	h <sub>FE</sub> @ MIN/MAX	I <sub>C</sub> (A)	V <sub>CE</sub> (sat) @ MAX (V)	I <sub>C</sub> (A)	I <sub>sb</sub> V <sub>CE</sub> (V)	I <sub>C</sub> (A)	PULSE (sec)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
2N3441	140	25/100	0.5	1.0	0.5	120	0.280	1.0	0.2	25.0	TO-66	306

### 4 AMP NPN

2N3054	55	30/120	0.5	1.0	0.5	55	0.455	1.0	0.8	25.0	TO-66	306
--------	----	--------	-----	-----	-----	----	-------	-----	-----	------	-------	-----

### 5 AMP NPN

2N4347	120	15/60	2.0	1.0	2.0	67	1.500	1.0	0.2	100.0	TO-3	345
--------	-----	-------	-----	-----	-----	----	-------	-----	-----	-------	------	-----

### 7 AMP NPN

SDT31303	200	10/50	2.0	0.5	2.0	200	1.250	1.0	0.3	250.0	TO-3	331
SDT31305	250	10/50	2.0	0.5	2.0	250	1.00	1.0	0.3	250.0	TO-3	331
SDT31307	300	10/50	2.0	0.5	2.0	250	1.00	1.0	0.3	250.0	TO-3	331

### 7.5 AMP NPN

SDT9301	40	15	1.0	1.0	1.0	40	2.190	1.0	0.8	87.5	TO-3	345
SDT9302	60	15	1.0	1.0	1.0	60	1.460	1.0	0.8	87.5	TO-3	345
SDT9303	80	15	1.0	1.0	1.0	80	1.090	1.0	0.8	87.5	TO-3	345
SDT9304	40	15	2.0	1.0	2.0	40	2.190	1.0	0.8	87.5	TO-3	345
SDT9305	60	15	2.0	1.0	2.0	60	1.460	1.0	0.8	87.5	TO-3	345
SDT9306	80	15	2.0	1.0	2.0	80	1.090	1.0	0.8	87.5	TO-3	345
SDT9307	40	15	3.0	1.0	3.0	40	2.190	1.0	0.8	87.5	TO-3	345
SDT9308	60	15	3.0	1.0	3.0	60	1.460	1.0	0.8	87.5	TO-3	345
SDT9309	80	15	3.0	1.0	3.0	80	1.090	1.0	0.8	87.5	TO-3	345

### 10 AMP NPN

2N3442	140	20/70	3.0	1.0	3.0	78	1.500	1.0	0.8	117.0	TO-3	331
2N4348	120	15/60	5.0	1.0	5.0	80	1.500	1.0	0.2	120.0	TO-3	331
2N6262	150	20/70	3.0	0.5	3.0	100	1.500	1.0	0.8	150.0	TO-3	331

### 15 AMP NPN

2N3055H	60	20/70	4.0	1.1	4.0	60	1.950	1.0	0.8	115.0	TO-3	345
2N3771	40	15/60	15.0	2.0	15.0	40	3.750	1.0	0.8	150.0	TO-3	331
2N6253	45	20/70	3.0	1.0	3.0	45	2.550	1.0	0.8	115.0	TO-3	345
2N6254	80	20/70	5.0	0.5	5.0	80	1.870	1.0	0.8	150.0	TO-3	331

### 16 AMP NPN

2N3773	140	15/60	8.0	1.4	8.0	100	1.500	1.0	0.2	150	TO-3	331
2N6259	150	15/60	8.0	1.0	8.0	100	2.500	1.0	0.2	250	TO-3	349

Suffix "H" denotes full SOA at max V<sub>CEO</sub> rating of 60V

**SINGLE DIFFUSED NPN MESA TRANSISTORS**

**20 AMP NPN**

DEVICE TYPE	V <sub>CEO</sub> VOLTS	h <sub>FE</sub> @ MIN/MAX	I <sub>C</sub> (A)	V <sub>CE</sub> (sat) MAX (V) @	I <sub>C</sub> (A)	I <sub>sb</sub> V <sub>CE</sub> (V)	I <sub>C</sub> (A)	PULSE (sec)	f <sub>T</sub> MIN (MHz)	P <sub>T</sub> MAX (W)	CASE TYPE	CHIP TYPE
2N3772	150	15/60	10.0	1.40	10.0	60	2.50	1.0	0.2	150	TO-3	331
2N6257	40	15/75	8.0	1.50	8.0	40	3.75	1.0	0.2	150	TO-3	349

**30 AMP NPN**

2N6258	80	20/60	15.0	0.75	15.0	80	3.10	1.0	0.2	250	TO-3	349
--------	----	-------	------	------	------	----	------	-----	-----	-----	------	-----

**B**

**JAN, JANTX, JANTXV POWER TRANSISTORS (SINGLE DIFFUSED)**

DEVICE TYPE	MIL-S-19500/	V <sub>CBO</sub> VOLTS	V <sub>CEO</sub> VOLTS	I <sub>C</sub> (CONT.) AMPS	POWER (@T <sub>C</sub> =25°C) WATTS	CASE TYPE	CHIP TYPE
2N3055 JAN, TX	407	100	70	15.0	117	TO-3	345
2N3441 JAN, TX	369	160	140	3.0	25	TO-66	306
2N3442 JAN, TX	370	160	140	10.0	115	TO-3	333
2N3771 JAN, TX, TXV	413	50	40	30.0	150	TO-3	331
2N3772 JAN, TX, TXV	413	100	60	20.0	150	TO-3	331