



semitron hot line

T-33-01

TOLL FREE NUMBER 800-777-3960

General Purpose Amplifier and Switching Applications

IC (A)	V _{CEO} (V)	V _{CE} (V)	P _D (W)	Package	NPN	PNP	h _{FE} @ min	I _C /V _{CE} (A/V)	V _{CE} (sat) max (V)	I _C /I _B (A/mA)
1	40	40	30	TO-220	TIP29	TIP30	15	1.0/4	0.7	1.0/125
1	60	60	30	TO-220	TIP29A	TIP30A	15	1.0/4	0.7	1.0/125
1	80	80	30	TO-220	TIP29B	TIP30B	15	1.0/4	0.7	1.0/125
1	100	100	30	TO-220	TIP29C	TIP30C	15	1.0/4	0.7	1.0/125
1	120	120	30	TO-220	TIP29D	TIP30D	15	1.0/4	0.7	1.0/125
1	140	140	30	TO-220	TIP29E	TIP30E	15	1.0/4	0.7	1.0/125
1	160	160	30	TO-220	TIP29F	TIP30F	15	1.0/4	0.7	1.0/125
2	60	60	50	TO-220	TIP110	TIP115	1000	1.0/4	2.5	2.0/8
2	80	80	50	TO-220	TIP111	TIP116	1000	1.0/4	2.5	2.0/8
2	100	100	50	TO-220	TIP112	TIP117	1000	1.0/4	2.5	2.0/8
3	40	40	40	TO-220	TIP31	TIP32	25	1.0/4	1.2	3.0/375
3	60	60	40	TO-220	TIP31A	TIP32A	25	1.0/4	1.2	3.0/375
3	80	80	40	TO-220	TIP31B	TIP32B	25	1.0/4	1.2	3.0/375
3	100	100	40	TO-220	TIP31C	TIP32C	25	1.0/4	1.2	3.0/375
3	120	120	40	TO-220	TIP31D	TIP32D	25	1.0/4	1.2	3.0/375
3	140	140	40	TO-220	TIP31E	TIP32E	25	1.0/4	1.2	3.0/375
3	160	160	40	TO-220	TIP31F	TIP32F	25	1.0/4	1.2	3.0/375
5	60	60	65	TO-220	TIP120	TIP125	1000	3.0/3	2.0	3.0/12
5	80	80	65	TO-220	TIP121	TIP126	1000	3.0/3	2.0	3.0/12
5	100	100	65	TO-220	TIP122	TIP127	1000	3.0/3	2.0	3.0/12
6	40	40	65	TO-220	TIP41	TIP42	15	3.0/4	1.5	6.0/600
6	60	60	65	TO-220	TIP41A	TIP42A	15	3.0/4	1.5	6.0/600
6	80	80	65	TO-220	TIP41B	TIP42B	15	3.0/4	1.5	6.0/600
6	100	100	65	TO-220	TIP41C	TIP42C	15	3.0/4	1.5	6.0/600
6	120	120	65	TO-220	TIP41D	TIP42D	15	3.0/4	1.5	6.0/600
6	140	140	65	TO-220	TIP41E	TIP42E	15	3.0/4	1.5	6.0/600
6	160	160	65	TO-220	TIP41F	TIP42F	15	3.0/4	1.5	6.0/600
8	60	60	80	TO-220	TIP100	TIP105	1000	3.0/4	2.0	3.0/6
8	80	80	80	TO-220	TIP101	TIP106	1000	3.0/4	2.0	3.0/6
8	100	100	80	TO-220	TIP102	TIP107	1000	3.0/4	2.0	3.0/6
10	40	40	80	TO-3P	TIP33	TIP34	20	3.0/4	1.0	3.0/300
10	60	60	80	TO-3P	TIP33A	TIP34A	20	3.0/4	1.0	3.0/300
10	80	80	80	TO-3P	TIP33B	TIP34B	20	3.0/4	1.0	3.0/300
10	100	100	80	TO-3P	TIP33C	TIP34C	20	3.0/4	1.0	3.0/300
10	60	60	125	TO-3P	TIP140	TIP145	1000	5.0/4	2.0	5.0/10
10	80	80	125	TO-3P	TIP141	TIP146	1000	5.0/4	2.0	5.0/10
10	100	100	125	TO-3P	TIP142	TIP147	1000	5.0/4	2.0	5.0/10
25	40	40	125	TO-3P	TIP35	TIP36	15	15/4	4.0	25/5000
25	60	60	125	TO-3P	TIP35A	TIP36A	15	15/4	4.0	25/5000
25	80	80	125	TO-3P	TIP35B	TIP36B	15	15/4	4.0	25/5000
25	100	100	125	TO-3P	TIP35C	TIP36C	15	15/4	4.0	25/5000

Switching Regulator Applications.

1	350	250	40	TO-220	TIP47		10	1.0/10	1.0	1.0/200
1	400	300	40	TO-220	TIP48		10	1.0/10	1.0	1.0/200
1	450	350	40	TO-220	TIP49		10	1.0/10	1.0	1.0/200
1	500	400	40	TO-220	TIP50		10	1.0/10	1.0	1.0/200

case outline drawings



