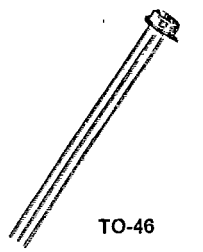
2 AMP/NPN-PNP Pirgo Silicon Planar Power Transistors

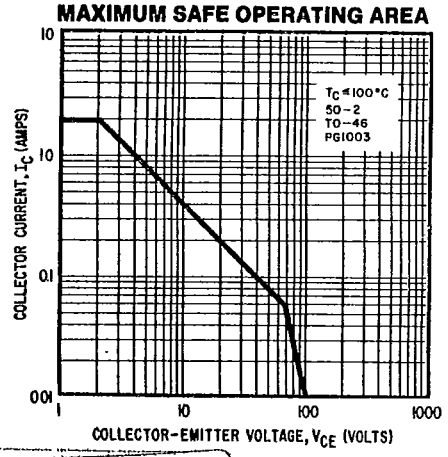
2 AMP
160 VOLT
4 WATT
90 MHz
TO-46



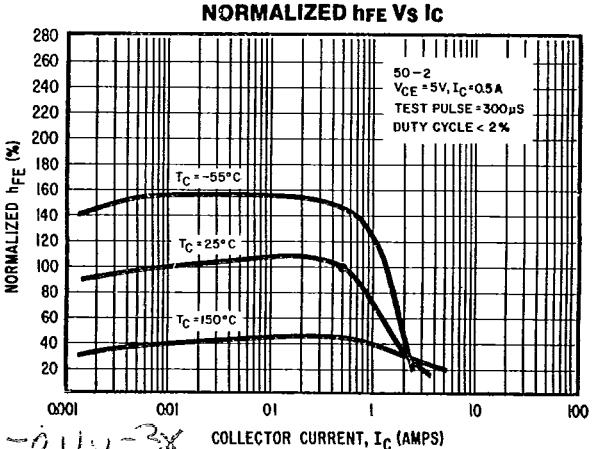
- Linear h_{FE} from 10 mA to 2 amps
- High frequency f_t = 90 MHz (typical)
- Low saturation voltage at maximum collector current
- High voltage, $BV_{CEO(sus)}$ to 160 volts

NPN Type	Package	BV_{CBO}	$BV_{CEO\ (sus)}$	BV_{EBO}	h_{FE} Min	h_{FE} Max	@ I_CA	h_{FE} Min	@ I_CA	$V_{CE\ (sat)}$ Max	@ I_CA	C_{ob}Max pf	P_DW @ 100° C	PNP Complement
2N4862	TO–46	140	120	8	50	150	.5	15	2	1.5	2	50	4	PG2036
PG1001	TO–46	80	60	8	50	150	.5	15	2	1.5	2	50	4	PG2001
PG1002	TO–46	100	80	8	50	150	.5	15	2	1.5	2	50	4	PG2002
PG1003	TO–46	120	100	8	50	150	.5	15	2	1.5	2	50	4	PG2003
PG1004	TO–46	150	140	8	50	150	.5	15	2	1.5	2	50	4	PG2004
PG1005	TO–46	170	160	8	50	150	.5	15	2	1.5	2	50	4	PG2005
PG1006	TO–46	80	60	8	30	90	.5	10	2	1.5	2	50	4	PG2006
PG1007	TO–46	100	80	8	30	90	.5	10	2	1.5	2	50	4	PG2007
PG1008	TO–46	120	100	8	30	90	.5	10	2	1.5	2	50	4	PG2008
PG1009	TO–46	140	120	8	30	90	.5	10	2	1.5	2	50	4	PG2009
PG1010	TO–46	150	140	8	30	90	.5	10	2	1.5	2	50	4	PG2010
PG1011	TO–46	170	160	8	30	90	.5	10	2	1.5	2	50	4	PG2011
PG1012	TO–46	80	60	8	100	300	.5	20	2	1.5	2	50	4	PG2012
PG1013	TO–46	100	80	8	100	300	.5	20	2	1.5	2	50	4	PG2013
PG1014	TO–46	120	100	8	100	300	.5	20	2	1.5	2	50	4	PG2014
PG1015	TO–46	140	120	8	100	300	.5	20	2	1.5	2	50	4	PG2015
PG1016	TO–46	150	140	8	100	300	.5	20	2	1.5	2	50	4	PG2016
PG1017	TO–46	170	160	8	100	300	.5	20	2	1.5	2	50	4	PG2017
PG1018	TO–46	80	60	6	30	90	.5			.35	.5	50	4	PG2018
PG1019	TO–46	100	80	6	30	90	.5			.35	.5	50	4	PG2019
PG1020	TO–46	120	100	6	30	90	.5			.35	.5	50	4	PG2020
PG1021	TO–46	140	120	6	30	90	.5			.35	.5	50	4	PG2021
PG1022	TO–46	150	140	6	30	90	.5			.35	.5	50	4	PG2022
PG1023	TO–46	170	160	6	30	90	.5			.35	.5	50	4	PG2023
PG1024	TO–46	80	60	6	50	150	.5			.35	.5	50	4	PG2024
PG1025	TO–46	100	80	6	50	150	.5			.35	.5	50	4	PG2025
PG1026	TO–46	120	100	6	50	150	.5			.35	.5	50	4	PG2026
PG1027	TO–46	140	120	6	50	150	.5			.35	.5	50	4	PG2027
PG1028	TO–46	150	140	6	50	150	.5			.35	.5	50	4	PG2028
PG1029	TO–46	170	160	6	50	150	.5			.35	.5	50	4	PG2029
PG1030	TO–46	80	60	6	100	300	.5			.35	.5	50	4	PG2030
PG1031	TO–46	100	80	6	100	300	.5			.35	.5	50	4	PG2031
PG1032	TO–46	120	100	6	100	300	.5			.35	.5	50	4	PG2032
PG1033	TO–46	140	120	6	100	300	.5			.35	.5	50	4	PG2033
PG1034	TO–46	150	140	6	100	300	.5			.35	.5	50	4	PG2034
PG1035	TO–46	170	160	6	100	300	.5			.35	.5	50	4	PG2035

MAXIMUM SAFE OPERATING AREA



NORMALIZED h_{FE} Vs Ic

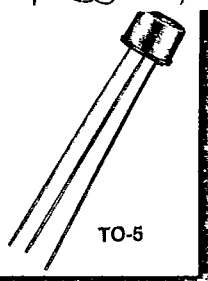


PG-0110-3K

T-33-01 D

2 AMP/NPN-PNP Pirgo Silicon Planar Power Transistors

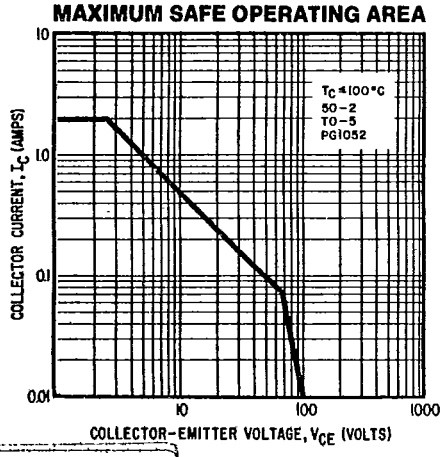
2 AMP
160 VOLT
5 WATT
90 MHz
TO-5



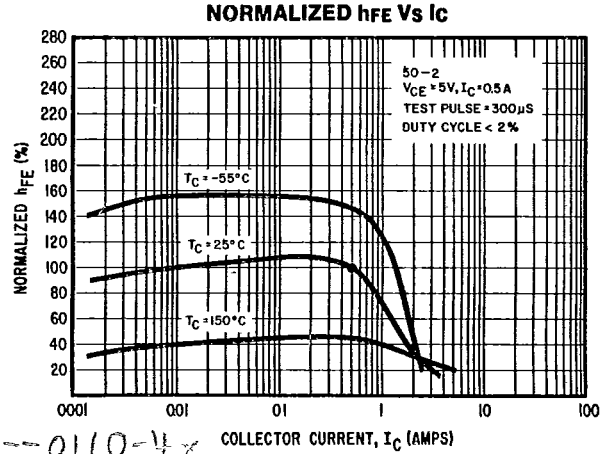
- Linear h_{FE} from 10 mA to 2 amps
- High frequency f_t = 90 MHz (typical)
- Low saturation voltage at maximum collector current
- High voltage, $BV_{CEO(sus)}$ to 160 volts

NPN Type	Package	BV_{CBO}	BV_{CEO} (sus)	BV_{EBO}	h_{FE} Min	h_{FE} Max	h_{FE} @ I_CA	h_{FE} Min	h_{FE} @ I_CA	V_{CE} (sat) Max	V_{CE} (sat) @ I_CA	C_{ob}Max pf	P_DW @ 100° C	PNP Complement
2N4863	TO–5	140	120	8	50	150	.5	15	2	1.5	2	50	4	PG2085
PG1050	TO–5	80	60	8	50	150	.5	15	2	1.5	2	50	5	PG2050
PG1051	TO–5	100	80	8	50	150	.5	15	2	1.5	2	50	5	PG2051
PG1052	TO–5	120	100	8	50	150	.5	15	2	1.5	2	50	5	PG2052
PG1053	TO–5	150	140	8	50	150	.5	15	2	1.5	2	50	5	PG2053
PG1054	TO–5	170	160	8	50	150	.5	15	2	1.5	2	50	5	PG2054
PG1055	TO–5	80	60	8	30	90	.5	10	2	1.5	2	50	5	PG2055
PG1056	TO–5	100	80	8	30	90	.5	10	2	1.5	2	50	5	PG2056
PG1057	TO–5	120	100	8	30	90	.5	10	2	1.5	2	50	5	PG2057
PG1058	TO–5	140	120	8	30	90	.5	10	2	1.5	2	50	5	PG2058
PG1059	TO–5	150	140	8	30	90	.5	10	2	1.5	2	50	5	PG2059
PG1060	TO–5	170	160	8	30	90	.5	10	2	1.5	2	50	5	PG2060
PG1061	TO–5	80	60	8	100	300	.5	20	2	1.5	2	50	5	PG2061
PG1062	TO–5	100	80	8	100	300	.5	20	2	1.5	2	50	5	PG2062
PG1063	TO–5	120	100	8	100	300	.5	20	2	1.5	2	50	5	PG2063
PG1064	TO–5	140	120	8	100	300	.5	20	2	1.5	2	50	5	PG2064
PG1065	TO–5	150	140	8	100	300	.5	20	2	1.5	2	50	5	PG2065
PG1066	TO–5	170	160	8	100	300	.5	20	2	1.5	2	50	5	PG2066
PG1067	TO–5	80	60	6	30	90	.5			.35	.5	50	5	PG2067
PG1068	TO–5	100	80	6	30	90	.5			.35	.5	50	5	PG2068
PG1069	TO–5	120	100	6	30	90	.5			.35	.5	50	5	PG2069
PG1070	TO–5	140	120	6	30	90	.5			.35	.5	50	5	PG2070
PG1071	TO–5	150	140	6	30	90	.5			.35	.5	50	5	PG2071
PG1072	TO–5	170	160	6	30	90	.5			.35	.5	50	5	PG2072
PG1073	TO–5	80	60	6	50	150	.5			.35	.5	50	5	PG2073
PG1074	TO–5	100	80	6	50	150	.5			.35	.5	50	5	PG2074
PG1075	TO–5	120	100	6	50	150	.5			.35	.5	50	5	PG2075
PG1076	TO–5	140	120	6	50	150	.5			.35	.5	50	5	PG2076
PG1077	TO–5	150	140	6	50	150	.5			.35	.5	50	5	PG2077
PG1078	TO–5	170	160	6	50	150	.5			.35	.5	50	5	PG2078
PG1079	TO–5	80	60	6	100	300	.5			.35	.5	50	5	PG2079
PG1080	TO–5	100	80	6	100	300	.5			.35	.5	50	5	PG2080
PG1081	TO–5	120	100	6	100	300	.5			.35	.5	50	5	PG2081
PG1082	TO–5	140	120	6	100	300	.5			.35	.5	50	5	PG2082
PG1083	TO–5	150	140	6	100	300	.5			.35	.5	50	5	PG2083
PG1084	TO–5	170	160	6	100	300	.5			.35	.5	50	5	PG2084

MAXIMUM SAFE OPERATING AREA



NORMALIZED h_{FE} Vs Ic

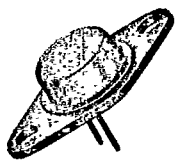


PG--0110-4x

T-33-01 D

2 AMP/NPN-PNP Pirgo Silicon Planar Power Transistors

2 AMP
160 VOLT
16 WATT
90 MHz
TO-66

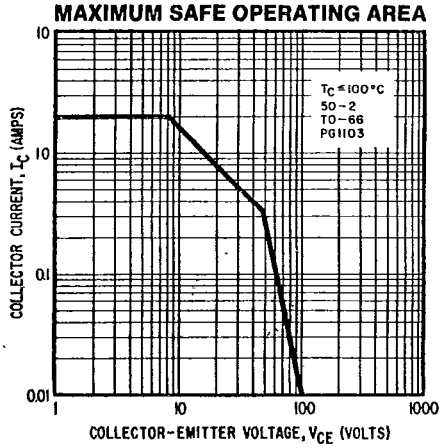


TO-66

- Linear h_{FE} from 10 mA to 2 amps
- High frequency f_t = 90 MHz (typical)
- Low saturation voltage at maximum collector current
- High voltage, $BV_{CEO(sus)}$ to 160 volts

NPN Type	Package	BV_{CBO}	BV_{CEO} (sus)	BV_{EBO}	h_{FE} Min	h_{FE} Max	@ I_CA	h_{FE} Min	@ I_CA	V_{CE} (sat) Max	@ I_CA	C_{ob}Max pf	P_DW @ 100° C	PNP Complement
2N4864	TO–66	140	120	8	50	150	.5	15	2	1.5	2	50	16	PG2136
PG1101	TO–66	80	60	8	50	150	.5	15	2	1.5	2	50	16	PG2101
PG1102	TO–66	100	80	8	50	150	.5	15	2	1.5	2	50	16	PG2102
PG1103	TO–66	120	100	8	50	150	.5	15	2	1.5	2	50	16	PG2103
PG1104	TO–66	150	140	8	50	150	.5	15	2	1.5	2	50	16	PG2104
PG1105	TO–66	170	160	8	50	150	.5	15	2	1.5	2	50	16	PG2105
PG1106	TO–66	80	60	8	30	90	.5	10	2	1.5	2	50	16	PG2106
PG1107	TO–66	100	80	8	30	90	.5	10	2	1.5	2	50	16	PG2107
PG1108	TO–66	120	100	8	30	90	.5	10	2	1.5	2	50	16	PG2108
PG1109	TO–66	140	120	8	30	90	.5	10	2	1.5	2	50	16	PG2109
PG1110	TO–66	150	140	8	30	90	.5	10	2	1.5	2	50	16	PG2110
PG1111	TO–66	170	160	8	30	90	.5	10	2	1.5	2	50	16	PG2111
PG1112	TO–66	80	60	8	100	300	.5	20	2	1.5	2	50	16	PG2112
PG1113	TO–66	100	80	8	100	300	.5	20	2	1.5	2	50	16	PG2113
PG1114	TO–66	120	100	8	100	300	.5	20	2	1.5	2	50	16	PG2114
PG1115	TO–66	140	120	8	100	300	.5	20	2	1.5	2	50	16	PG2115
PG1116	TO–66	150	140	8	100	300	.5	20	2	1.5	2	50	16	PG2116
PG1117	TO–66	170	160	8	100	300	.5	20	2	1.5	2	50	16	PG2117
PG1118	TO–66	80	60	6	30	90	.5			.35	.5	50	16	PG2118
PG1119	TO–66	100	80	6	30	90	.5			.35	.5	50	16	PG2119
PG1120	TO–66	120	100	6	30	90	.5			.35	.5	50	16	PG2120
PG1121	TO–66	140	120	6	30	90	.5			.35	.5	50	16	PG2121
PG1122	TO–66	150	140	6	30	90	.5			.35	.5	50	16	PG2122
PG1123	TO–66	170	160	6	30	90	.5			.35	.5	50	16	PG2123
PG1124	TO–66	80	60	6	50	150	.5			.35	.5	50	16	PG2124
PG1125	TO–66	100	80	6	50	150	.5			.35	.5	50	16	PG2125
PG1126	TO–66	120	100	6	50	150	.5			.35	.5	50	16	PG2126
PG1127	TO–66	140	120	6	50	150	.5			.35	.5	50	16	PG2127
PG1128	TO–66	150	140	6	50	150	.5			.35	.5	50	16	PG2128
PG1129	TO–66	170	160	6	50	150	.5			.35	.5	50	16	PG2129
PG1130	TO–66	80	60	6	100	300	.5			.35	.5	50	16	PG2130
PG1131	TO–66	100	80	6	100	300	.5			.35	.5	50	16	PG2131
PG1132	TO–66	120	100	6	100	300	.5			.35	.5	50	16	PG2132
PG1133	TO–66	140	120	6	100	300	.5			.35	.5	50	16	PG2133
PG1134	TO–66	150	140	6	100	300	.5			.35	.5	50	16	PG2134
PG1135	TO–66	170	160	6	100	300	.5			.35	.5	50	16	PG2135

MAXIMUM SAFE OPERATING AREA



NORMALIZED h_{FE} Vs Ic