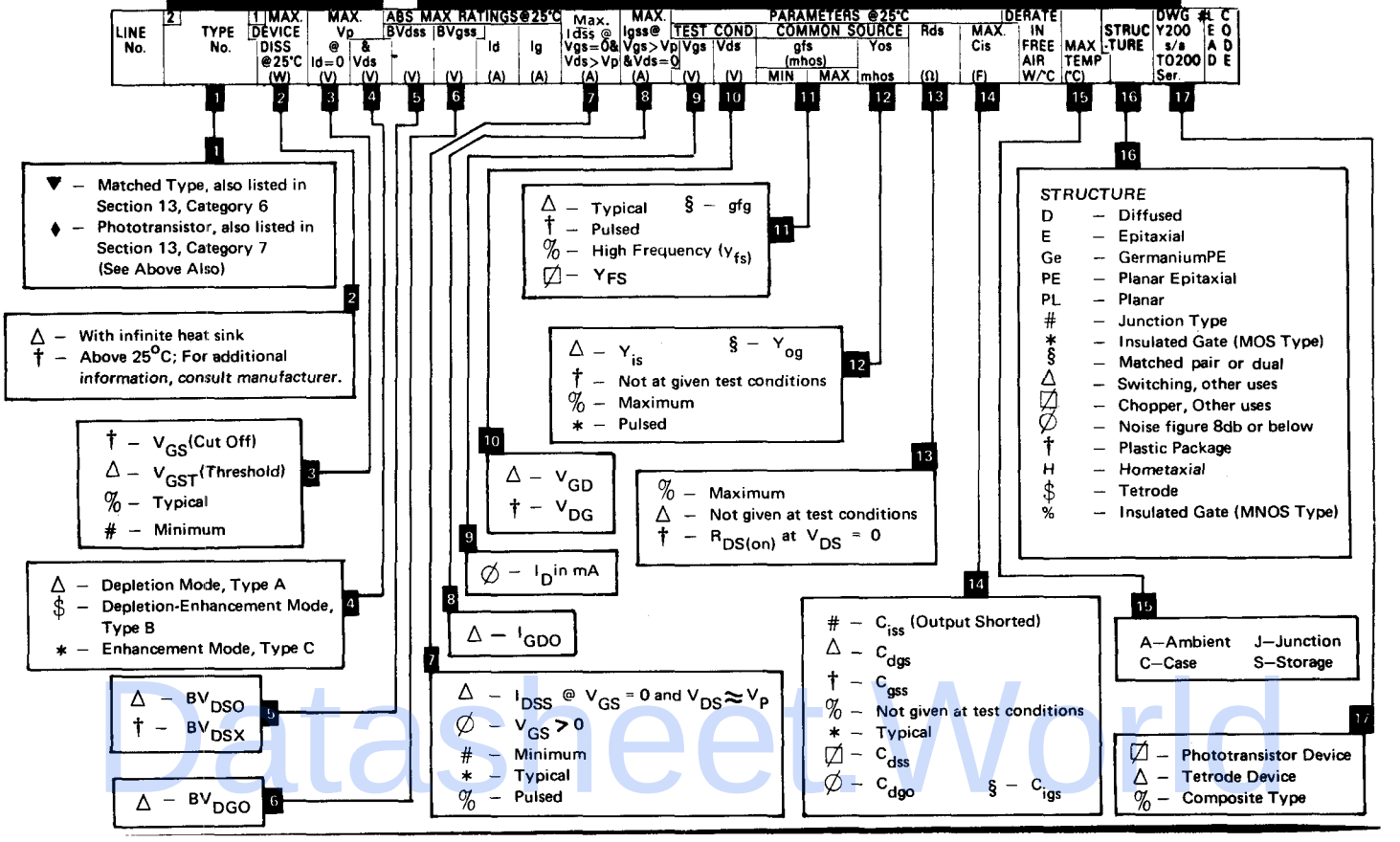
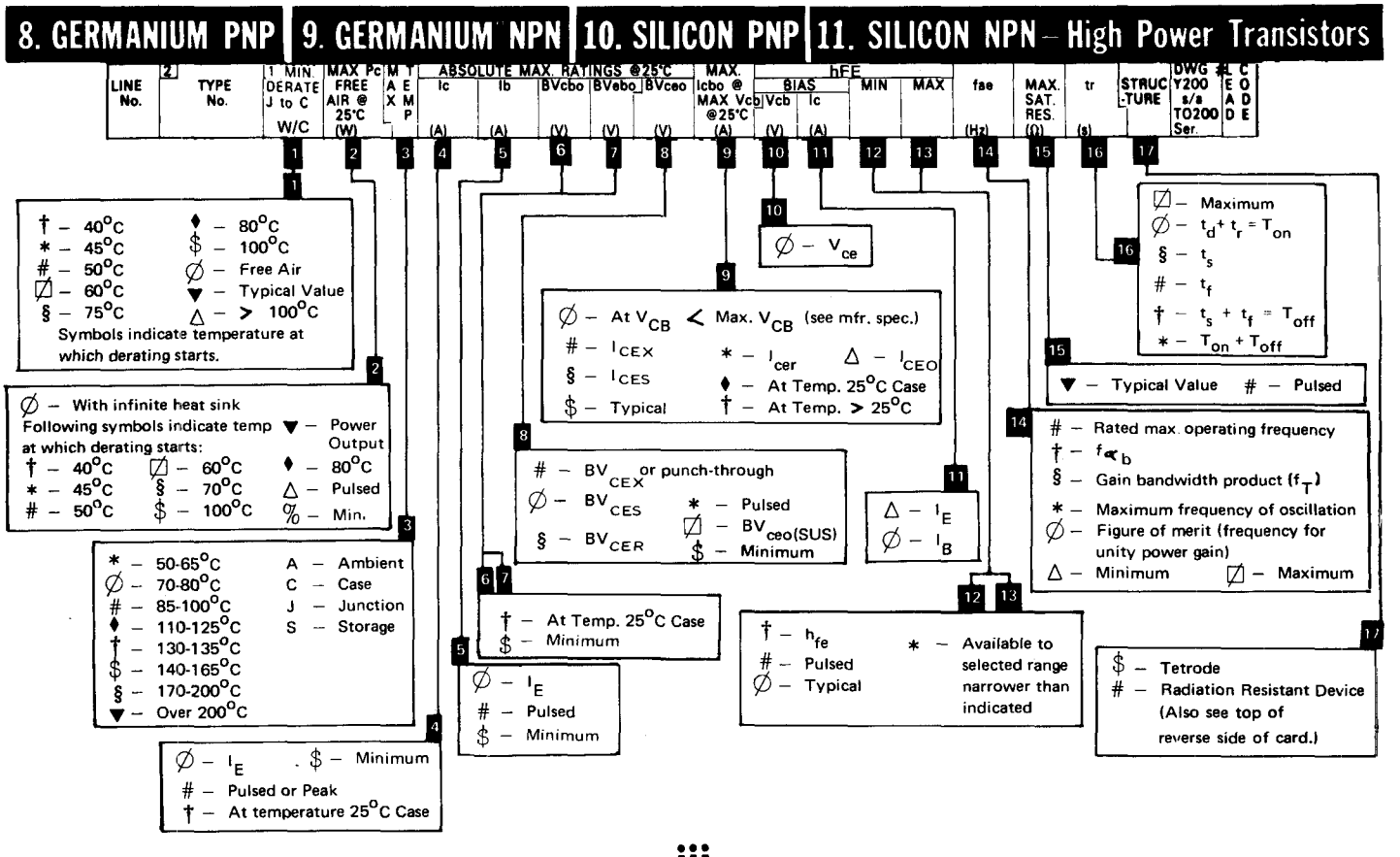
6. "P" Channel — 7. "N" Channel — SILICON FIELD EFFECT TRANSISTORS



8. GERMANIUM PNP — 9. GERMANIUM NPN — 10. SILICON PNP — 11. SILICON NPN – High Power Transistors



11. SILICON NPN - HIGH POWER TRANSISTORS

IN ORDER OF (1) MIN. DERATING FACTOR & (2) TYPE No.

LINE No.	2 TYPE No.	1 MIN. DERATE J to C (W/°C)	MAX Pc FREE AIR @ 25°C (W)	MT AEXMP	ABSOLUTE MAX. RATINGS @25°C Ic (A)	Ib (A)	BVcbo (V)	BVebo (V)	BVceo (V)	MAX. Icbo @ MAX Vcb @25°C (A)	hFE BIAS Vcb (V)	hFE BIAS Ic (A)	hFE MIN	hFE MAX	fae (Hz)	MAX. SAT. RES. (Ω)	tr (s)	STRUC-TURE	DWG # Y200 s/a TO200 Ser.	LEAD CODE
1	153-24†	1.3	200 Ø	§J	7.5	3.0	265	25	240	10m#	4.0Ø	1.5	15			866m	3.0uØ		MT58	
2	153-26†	1.3	200 Ø	§J	7.5	3.0	285	25	260	10m#	4.0Ø	1.5	15			866m	3.0uØ		MT58	
3	153-28†	1.3	200 Ø	§J	7.5	3.0	305	25	280	10m#	4.0Ø	1.5	15			866m	3.0uØ		MT58	
4	153-30†	1.3	200 Ø	§J	7.5	3.0	325	25	300	10m#	4.0Ø	1.5	15			866m	3.0uØ		MT58	
5	154-24†	1.3	200 Ø	§J	7.5	3.0	265	25	240	10m#	4.0Ø	1.5	25			833m	3.0uØ		MT58	
6	154-26†	1.3	200 Ø	§J	7.5	3.0	285	25	260	10m#	4.0Ø	1.5	25			833m	3.0uØ		MT58	
7	154-28†	1.3	200 Ø	§J	7.5	3.0	305	25	280	10m#	4.0Ø	1.5	25			833m	3.0uØ		MT58	
8	154-30†	1.3	200 Ø	§J	7.5	3.0	325	25	300	10m#	4.0Ø	1.5	25			833m	3.0uØ		MT58	
9	DTS103†	1.3	125 Ø	§J	15	5.0	80	5.0	60	250u△	1.5Ø	5.0	20	55	4.0M§△	180m	550n	DM	TO3	CØ
10	DTS104†	1.3	125 Ø	§J	15	5.0	80	5.0	60	250u△	1.5Ø	5.0	50	120	4.0M§△	150m	550n	DM	TO3	CØ
11	DTS105†	1.3	125 Ø	§J	15	5.0	100	5.0	80	250u△	1.5Ø	5.0	20	55	4.0M§△	180m	550n	DM	TO3	CØ
12	DTS106†	1.3	125 Ø	§J	15	5.0	110	5.0	90	250u△	1.5Ø	5.0	20	55	4.0M§△	180m	550n	DM	TO3	CØ
13	DTS107†	1.3	125 Ø	§J	15	5.0	120	5.0	100	250u△	1.5Ø	5.0	20	55	4.0M§△	180m	550n	DM	TO3	CØ
14	DTS108	1.3	125	§J	15	5.0		5.0	100	250u△	1.5Ø	5.0	50	120	4.0M§△	150m	550n	DM△	TO3	CØ
15	DTS3704	1.3		§J	2.0	.50	200	5.0	200 Ø		5.0Ø	.50	20	80	115k	1.6			TO41	
16	DTS3704A	1.3		§J	2.0	.50	300	5.0	300 Ø		5.0Ø	.50	20	80	115k	1.6			TO41	
17	DTS3704B	1.3		§J	2.0	.50	400	5.0	335 Ø		5.0Ø	.50	20	80	115k	1.6			TO41	
18	DTS3705	1.3			3.5		200	5.0	200	.50m		1.0	25	75	110k	.80			TO3	
19	DTS3705A	1.3			3.5		300	5.0	300	.50m		1.0	25	75	110k	.80			TO3	
20	DTS3705B	1.3			3.5		400	5.0	400	.50m		1.0	25	75	110k	.80			TO3	
21	SDT2101	1.3		#J	150		10		5.0			150	40						MT41	
22	SDT2110	1.3		#J	150		10		5.0			150	40 Ø		450k§				MT41a	
23	SDT2111	1.3		#J	175		10		5.0			175	40 Ø		450k§				MT41a	
24	SDT2112	1.3		#J	200		10		5.0			200	40 Ø		450k§				MT41a	
25	SDT2150	1.3		#J	150		10		5.0			150	40 Ø		450k§				R121	
26	SDT2151	1.3		#J	175		10		5.0			175	40 Ø		450k§				R121	
27	SDT2152	1.3		#J	200		10		5.0			200	40 Ø		450k§				R121	
28	2N1016B/M	1.4 *	150 Ø	§J	7.5	5.0	100	25	100	1.0m	4.0Ø	5.0	10	35	30k	500m	6.0uØ	F△	MT1	
29	2N1016C/M	1.4 *	150 Ø	§J	7.5	5.0	150	25	150	1.0m	4.0Ø	5.0	10	35	30k	500m	6.0uØ	F△	MT1	
30	2N2584†	1.4 *	150 Ø	§A	5.0	1.0	600	5.0	600	5.0m#	5.0Ø	5.0	10	40	30k△	140m	6.0uØ		TO36	CØ
31	2N2585†	1.4 *	150 Ø	§A	10	2.0	600	5.0	600	5.0m#	5.0Ø	5.0	25	65	30k△	1.0	6.0uØ		TO36	CØ
32	151-24†	1.4	100 Ø	§J	6.0	3.0	265	25	240	10m#	4.0Ø	1.5	22 Ø			870m	7.0uØØ	F	MT1	
33	151-26†	1.4	100 Ø	§J	6.0	3.0	285	25	260	10m#	4.0Ø	1.5	22 Ø			870m	7.0uØØ	F	MT1	
34	151-28†	1.4	100 Ø	§J	6.0	3.0	305	25	280	10m#	4.0Ø	1.5	22 Ø			870m	7.0uØØ	F	MT1	A
35	152-24†	1.4	100 Ø	§J	6.0	3.0	265	25	240	10m#	4.0Ø	1.5	37 Ø			830m	7.0uØØ	F	MT1	
36	152-26†	1.4	100 Ø	§J	6.0	3.0	285	25	260	10m#	4.0Ø	1.5	37 Ø			830m	7.0uØØ	F	MT1	A
37	152-28†	1.4	100 Ø	§J	6.0	3.0	305	25	280	10m#	4.0Ø	1.5	37 Ø			830m	7.0uØØ	F	MT1	A
38	1776-0440†	1.4 §	150 Ø	§J	75 #†	15	40 †	7.0†	40 Ø	2.0m#♦	3.0Ø	40	15 #		20M§△		500nØØ	E	TO63	A
39	1776-0460†	1.4 §	150 Ø	§J	75 #†	15	60 †	7.0†	60 Ø	2.0m#♦	3.0Ø	60	15 #		20M§△		600nØØ	E	TO63	A
40	1776-1860†	1.4 §	150 Ø	§J	75 #	15 #	180	7.0	180 Ø	2.0m#	3.0Ø	60	15		20M§△	25m	600nØØ	EM	TO63	A
41	AMF227	1.4 *	150 Ø	§C	7.5			.50	30 Ø		4.0Ø	2.0	10		20k	750m		ME	MT1	
42	AMF227A	1.4 *	150 Ø	§C	7.5			.50	60 Ø		4.0Ø	2.0	10		20k	750m		ME	MT1	
43	AMF227B	1.4 *	150 Ø	§C	7.5			.50	100 Ø		4.0Ø	2.0	10		20k	750m		ME	MT1	
44	AMF227C	1.4 *	150 Ø	§C	7.5			.50	150 Ø		4.0Ø	2.0	10		20k	750m		ME	MT1	
45	AMF228	1.4 *	150 Ø	§C	7.5			.50	30 Ø		4.0Ø	5.0	10		20k	500m		ME	MT1	
46	AMF228A	1.4 *	150 Ø	§C	7.5			.50	60 Ø		4.0Ø	5.0	10		20k	500m		ME	MT1	
47	AMF228B	1.4 *	150 Ø	§C	7.5			.50	100 Ø		4.0Ø	5.0	10		20k	500m		ME	MT1	
48	AMF228C	1.4 *	150 Ø	§C	7.5			.50	150 Ø		4.0Ø	5.0	10		20k	500m		ME	MT1	
49	AMF229	1.4 *	150 Ø	§C	4.0		30	.50	30 Ø		4.0Ø	1.0	10		20k	1.0		ME	MT1	
50	AMF229A	1.4 *	150 Ø	§C	4.0		60	.50	60 Ø		4.0Ø	1.0	10		20k	1.0		ME	MT1	
51	AMF229B	1.4 *	150 Ø	§C	4.0		100	.50	100 Ø		4.0Ø	1.0	10		20k	1.0		ME	MT1	
52	AMF229C	1.4 *	150 Ø	§C	4.0		150	.50	150 Ø		4.0Ø	1.0	10		20k	1.0		ME	MT1	
53	BSC1015	1.4 *	150 Ø	§J	7.5	5.0		10	30 #		4.0Ø	2.0	10		20k	750m		DM	MT1	
54	BSC1015A	1.4 *	150 Ø	§J	7.5	5.0		10	60 #		4.0Ø	2.0	10		20k	750m		DM	MT1	
55	BSC1015B	1.4 *	150 Ø	§J	7.5	5.0		10	100 #		4.0Ø	2.0	10		20k	750m		DM	MT1	
56	BSC1016	1.4 *	150 Ø	§J	7.5	5.0		10	30 #		4.0Ø	5.0	10		20k	500m		DM	MT1	
57	BSC1016A	1.4 *	150 Ø	§J	7.5	5.0		10	60 #		4.0Ø	5.0	10		20k	500m		DM	MT1	
58	BSC1016B	1.4 *	150 Ø	§J	7.5	5.0		10	100 #		4.0Ø	5.0	10		20k	500m		DM	MT1	
59	SDT2205	1.4	121 Ø	♦J	50	10	10	5.0	5.0	5.0m	1.0Ø	50	40 #	120 Ø	450k	3.0m		A	MT23	
60	SDT2305	1.4	121 Ø	♦J	50	10	10	5.0	5.0	5.0m	1.0Ø	50	40 #	120 Ø	450k	3.0m		A	TO36	CØ
61	SEC1477	1.4		§			50	9.0	50 §			.50				2.0			MT1	
62	SEC1478	1.4		§			100	9.0	100 §			.50				2.0			MT1	
63	SEC1479	1.4		§			50	9.0	50 §			2.0				2.0			MT1	
64	SEC1480	1.4		§			100	9.0	100 §			2.0				2.0			MT1	
65	STC1015	1.4	150 Ø	§J	7.5	5.0	30	10	30	10m	4.0Ø	2.0	10		2.5M†	750m	900n	D	MT1	
66	STC1015A	1.4	150 Ø	§J	7.5	5.0	60	10	60	10m	4.0Ø	2.0	10		2.5M†	750m	900n	D	MT1	
67	STC1015B	1.4	150 Ø	§J	7.5	5.0	100	10	100	10m	4.0Ø	2.0	10		2.5M†	750m	900n	D	MT1	
68	STC1015C	1.4	150 Ø	§J	7.5	5.0	150	10	150		4.0Ø	2.0	10		2.5M†	750m	900n	D	MT1	
69	STC1015D	1.4	150 Ø	§J	7.5	5.0	200	10	200		4.0Ø	2.0	10		2.5M†	750m	900n	D	MT1	
70	STC1015E	1.4	150 Ø	§J	7.5	5.0	250	10	250		4.0Ø	5.0	10		2.5M†	500m	900n	D	MT1	
71	STC1016	1.4	150 Ø	§J	7.5	5.0	30	10	30		4.0Ø	5.0	10		2.5M†	500m	900n	D	MT1	
72	STC1016A	1.4	150 Ø	§J	7.5	5.0	60	10	60		4.0Ø	5.0	10		2.5M†	500m	900n	D	MT1	
73	STC1016B	1.4	150 Ø	§J	7.5	5.0	100	10	100		4.0Ø	5.0	10		2.5M†	500m	900n	D	MT1	
74	STC1016C	1.4	150 Ø	§J	7.5	5.0	150	10	150		4.0Ø	5.0	10		2.5M†	500m	900n	D	MT1	
75	STC1016D	1.4	150 Ø	§J	7.5	5.0	200	10	200		4.0Ø	5.0	10		2.5M†	500m	900n	D	MT1	
76	STC1016E	1.4	150 Ø	§J	7.5	5.0	250	10	250		4.0Ø	5.0	10		2.5M†	500m	900n	D	MT1	
77	STC1400	1.4	150 Ø	§J	5.0		60	6.0	40	1.0m	4.0Ø	2.0	15	60	2.5M†	1.5	900n	D	MT1	
78#	STX5/3010	1.4 Ø		§	5.0		30	2.0	30	5.0m	15	5.0	10	25	10M†					
79#	STX5/3025	1.4 Ø		§	5.0		30	2.0	30	5.0m	15	5.0	25		10M†					
80#	STX5/5010	1.4 Ø		§	5.0		50	2.0	50	5.0mØ	15	5.0	10	25	10M†					
81#	STX5/5025	1.4 Ø		§	5.0		50	2.0	50	5.0m	15	5.0	25		10M†					
82#	STX5/6010	1.4 Ø		§	5.0		60	2.0	60	5.0m	15	5.0	10	25	10M†					
83#	STX5/6025	1.4 Ø		§	5.0		60	2.0	60	5.0m	15	5.0	25		10M†					
84#	STX5/7010	1.4 Ø		§	5.0		70	2.0	70	5.0m	15	5.0	10	25	10M†					
85#	STX5/7025	1.4 Ø		§	5.0		70	2.0	70	5.0m	15	5.0	25		10M†					
86	1561A603	1.5	120 Ø	§C	15	7.0	60	7.0	60	1.0 #	10Ø	3.0	18	55	800 §△	330m			TO3	
87	1756-1860†	1.5 §	150 Ø	§J	75 #	15	180	7.0	180 Ø	5.0m#	3.0Ø	60	15 #		20M§△		600nØØ	EM	TO63	
88	SPT9020	1.5	85	§J	10	4.0	350	10	250	100u#	5.0Ø	1.0	80			300m		D△		
89	2N1421	1.6	30 Ø	§S	3.0	500m	60	10	60 Ø	10m	5.0Ø	1.0	20	80	10M§△	3.0			MT10	
90	2N1422	1.6	30 Ø	§S	3.0	500m	60	10	60 Ø	10m	5.0Ø	1.0	20	80	10M§△	2.0			TO3	Ø
91#	L10A	1.6	200		10	10	50	4.0	30	10m	6.0	10	10	50	500k	.10	.80			
92#	L10B	1.6	200		10	10	100	4.0	60	10m	6.0	10	10	50	500k	.10	.80			
93#	L10C	1.6	200		10	10	200	4.0	140	10m	6.0	10	10	50	500k	.10	.80			
94#	L10D	1.6	200		10	10	300	4.0	200	10mØ	6.0	10	10	50	500k	.10	.80			
95#	L20A	1.6	200		20	10	100	4.0	30	10m	6.0	20	10	50	500k	.10	.80			
96#	L20B	1.6	200		20	10	200	4.0	60	10m	6.0	20	10	50	500k	.10	.80			
97#	L20C	1.6	200		20	10	300	4.0	140	10mØ	6.0	20	10	50	500k	.10	.80			
98#	L20D	1.6	200		20	10	400	4.0	200	10m	6.0	20	10	50	500k	.10	.80			
99#	L30A	1.6	200		30	10	50	4.0	30	10m	6.0	30	10	50	500k	.10	.80			
100#	L30B	1.6	200		30	10	100	4.0	60	10m	6.0	30	10	50	500k	.10	.80			
101#	L30C	1.6	200		30	10	200	4.0	140	10m	6.0	30	10	50	500k	.10	.80			
102#	L30D	1.6	200		30	10	300	4.0	200	10mØ	6.0	30	10	50	500k	.10	.80			
103#	SDD320	1.6	20 Ø	§J	2.0		40	6.0	30	500u	15Ø	50m	20 †	35 Ø	30M§△	6.0			TO36	
104	SDT1908	1.6	140 Ø	♦J	60	10	80	30	60	5.0m	2.0Ø	50	15		340k§	10m	10u	A	MT23	
105	SDT1909	1.6	140 Ø	♦J	60	10	60	30	45	5.0m	2.0Ø	50	15		340k§	10m	10u	A	MT23	
106	SDT1910	1.6	140 Ø	♦J	60	10	40	20	30	5.0m	2.0Ø	50	15		340k§	10m	10u	A	MT23	
107	SDT2008	1.6	140 Ø	♦J	60	10	80	30	60	5.0m	2.0Ø	50	15		340k§	10m	10u	A	MT22	
108	SDT2009	1.6	140 Ø	♦J	60	10	60	30	45	5.0m	2.0Ø	50	15		340k§	10m	10u	A	MT22	
109	SDT2010	1.6	140 Ø	♦J	60	10	40	20	30	5.0m	2.0Ø	50	15		340k§	10m	10u	A	MT22	
110	2N5576†	2.0 §	150 Ø	§J	80	20	70	8.0	70 #		4.0Ø	60	10	40 #			15uØØ		MD37	CØ

SYMBOLS AND CODES EXPLAINED IN INTERPRETER