


2514096 CRIMSON SEMICONDUCTOR INC  
99D 00339

D T-33-01

MULTIEPITAXIAL H.V. MESA AND BIPLANAR - TO-3 (continued)


NPN	V <sub>CEO</sub> (V)	V <sub>CE0</sub> (V)	I <sub>c</sub> (A)	P <sub>tot</sub> (W)	t <sub>rr</sub> min	I <sub>c</sub> /V <sub>CE</sub> (A/V)	V <sub>CE sat</sub> max (V)	I <sub>c</sub> /I <sub>s</sub> (A/mA)	PACKAGE
BUW44	500	400	15	175	6	6/1.5	3.0	10/2000	TO-3
BUW45	800	400	15	175	7	7/1.5	1.5	10/2000	
BUW46	900	450	15	175	7	7/1.5	1.5	10/2000	
BUX13	400	325	15	150	8	8/4	1.5	8/1600	
BUX14	450	400	10	150	8	6/4	1.6	6/1200	
BUX43	400	325	10	120	8	5/4	2	5/1000	
BUX44	450	400	8	120	8	4/4	1.5	4/800	
BUX46	850	400	3.5	85	5	3.5/5	1.5	2.5/500	
BUX47	850	400	8.5	107	3	9/3	1.5	6/1000	
BUX48	850	400	15	125	5	15/3	1.5	10/2000	
BUX80	800	400	10	100	5	5/1.5	1.5	5/1000	
BUX82	800	400	6	60	5	2.5/1.5	3	2.5/500	
BUX97	750	350	6	60(*)	10	1/5	3	4/1250	
BUX97A	800	400	6	60(*)	10	1/5	3	4/1250	
BUX97B	800	450	6	60(*)	10	1/5	3.3	4/1250	
BUY69A	1000	400	10	100	15	2.5/10	3.3	8/2500	
BUY69B	800	325	10	100	15	2.5/10	3.3	8/2500	
BUY69C	500	200	10	100	15	2.5/10	1	8/2500	
2N6542	650	300	5	100	5	5/5	1	3/600	
2N6543	850	400	5	100	5	5/5	1.5	3/600	
2N6544	650	300	8	125	4	8/5	1.5	5/1000	
2N6545	850	400	8	125	4	8/5	1.5	5/1000	
2N6546	650	300	15	175	5	15/5	1.5	10/2000	
2N6547	850	400	15	175	5	15/5		10/2000	

(\*) T<sub>c</sub> = 75°C

HOMETAXIAL

Medium V<sub>CEs</sub> range (40 to 160V)  
Low saturation voltage  
Low f<sub>T</sub> (0.8 MHz min)  
Low switching speed  
Very high ruggedness  
Large safe operating area

HOMETAXIAL - TO-3

NPN	V <sub>CEO</sub> (V)	V <sub>CE0</sub> (V)	I <sub>c</sub> (A)	P <sub>tot</sub> (W)	t <sub>rr</sub> min	I <sub>c</sub> /V <sub>CE</sub> (A/V)	V <sub>CE sat</sub> max (V)	I <sub>c</sub> /I <sub>s</sub> (A/mA)	PACKAGE
BD142	50	45	15	117	12	4/4	1.1	4/400	TO-3
BD181	55	45	15	117	20	3/4	1	3/300	
BD182	70	60	15	117	20	4/4	1	4/400	
BD183	85	80	15	117	20	3/4	1	3/300	
BDX10/2N3055H	100	60	15	115	20	4/4	1	4/400	
BDX10C/2N3055C	80	60	15	115	20	2/2	1	4/400	
BDX11/2N3442	160	140	10	117	20	3/4	1	3/300	
BDX12/2N4347	140	120	10	117	20	2/4	1	2/200	
BDX13/40251	50	40	15	117	15	8/4	1.5	8/800	
BDX60	100	70	15	150	20	5/4	1.5	8/1600	