

2514096 CRIMSON SEMICONDUCTOR INC

MULTIEPITAXIAL PLANAR - TO-3 (continued)

99D 00338

DT-33-01

NPN	V _{CEO} (V)	V _{CE0} (V)	I _C (A)	P _{tot} (W)	V _{CE sat} max (V)	I _C /I _B (A/A)	t _r (μs)	I _C /I _B (A/A)	PACKAGE
BUX41	250	200	15	120	1.6	8/1	0.8	8/1	
BUX41N	220	160	18	120	1.6	12/1.5	0.8	12/1.5	
BUX42	300	250	12	120	1.6	6/0.75	1.2	6/0.75	
2N5038	150	90	20	140	1	12/1.2	0.5	12/1.2	
2N5039	120	75	20	140	1	10/1	0.5	10/1	
2N5671	120	90	30	140	0.75	15/1.2	0.5	15/1.2	
2N5672	150	120	30	140	0.75	15/1.2	0.5	15/1.2	
2N6032	120	90	50	140	1.3	50/5	0.5	50/5	
2N6033	150	120	40	140	1	40/4	0.5	40/4	
2N6354	150	120	10	140	0.5	5/0.5	0.2	5/0.5	
2N6496	150	110	15	140	1	8/0.8	0.5	8/0.8	

* I_{CM} * TO-63

MULTIEPITAXIAL BIPLANAR *

NPN only
 High voltage (V_{CEs} = 400 to 800 V)
 Low leakage
 Good ruggedness
 High switching speed
 Total base-collector passivation
 Very high stability at high temperature and high voltage

MULTIEPITAXIAL MESA

NPN and PNP types
 High voltage (V_{CEO} up to 2000 V)
 High power
 Very good I_B/I_B and E_B/I_B performance
 High switching speed
 High f_T (20 MHz)
 Good stability

MULTIEPITAXIAL H.V. MESA AND BIPLANAR* - TO-3

NPN	PNP	V _{CEO} (V)	V _{CE0} (V)	I _C (A)	P _{tot} (W)	h _{FE} min	I _C /V _{CE} (A/V)	V _{CE sat} max (V)	I _C /I _B (A/mA)	PACKAGE
BU126		750	300	6	75	10	2.5/10	5	4/1000	TO-3
BU326		800	375	6	75	10	2.5/10	3	4/1250	
BU326A		900	400	6	75	3.2	4/3	1.5	2.5/500	
BU326S		800	400	6	60(*)	3.5	4/5	1.5	2.5/500	
BU920		400	350	10	120	50	7/1.8	1.8	5/50	
BU921		450	400	10	120	50	7/1.8	1.8	5/50	
BU922		500	450	10	120	50	7/1.8	1.8	5/50	
BU930		400	350	15	150	40	10/1.8	1.8	8/100	
BU931		450	400	15	150	40	10/1.8	1.8	8/100	
BU932		500	450	15	150	40	10/1.8	1.8	8/150	
BUR23		400	325	30	250	5	20/1.5	1.5	15/2000	
BUR24		450	400	30	250	4	20/1.5	1.5	15/2500	
BUW24	BUW22	⁴⁵⁰ / ₄₀₀	350	10	100	10	1/5	1.5	2.5/500	
BUW25	BUW23	⁵⁰⁰ / ₄₅₀	400	10	125	15	1/5	1.5	4/1000	
BUW26		800	450	10	125	15	1/5	1.5	4/1000	
BUW34	BUW32	500	400	10	125	15	1/5	1.5	5/1000	
BUW35		800	400	10	125	15	1/5	1.5	5/1000	
BUW36		900	450	10	125	15	1/5	1.5	5/1000	

* Darlington types