

**BIPOLAR TRANSISTORS FOR ELECTRONIC LIGHTING**

Type NPN	V <sub>CEO</sub> (V)	V <sub>CBO</sub> /V <sub>CES</sub> (V)	I <sub>c</sub> (A)	P <sub>tot</sub> (W)	Package	V <sub>CE(sat)</sub> @ I <sub>c</sub> @ I <sub>B</sub>			Typical Application
						(V)	(A)	(A)	
BUL26	300	600	4	60	TO-220	0.7	2	0.4	CFL
BUL26D	300	600	4	60	TO-220	0.7	2	0.4	CFL
BULK26D	300	600	4	50	SOT-82	0.7	2	0.4	CFL
BULD26-1	300	600	4	20	IPAK	0.7	2	0.4	CFL
MJE13005	400	700	4	75	TO-220	1	4	1	CFL, HF
BUL57	400	700	7	75	TO-220	0.75	3	0.6	HF
BUL57PI	400	700	7	35	ISOWATT220	0.75	3	0.6	HF
BUL67	400	700	8	80	TO-220	1	4	0.8	HL, HF
MJE13007	400	700	8	80	TO-220	1.5	5	1	HL, HF
BUL87	400	700	10	90	TO-220	1	5	1	HL, HF
BUL381	400	800	5	70	TO-220	0.7	2	0.4	CFL, HF
BUL381D	400	800	5	70	TO-220	0.7	2	0.4	CFL, HF
BUL382	400	800	5	70	TO-220	0.7	2	0.4	CFL, HF
BULK381	400	800	5	60	SOT-82	0.7	2	0.4	CFL, HF
BULK382	400	800	5	60	SOT-82	0.7	2	0.4	CFL, HF
BULD38-1	400	800	5	30	IPAK	0.7	2	0.4	CFL, HF
BUL138	400	800	5	70	TO-220	1	3	0.6	CFL, HF
BULD138-1	400	800	5	30	IPAK	1	3	0.6	CFL, HF
BUL38D	450	800	5	70	TO-220	0.7	2	0.4	HL, HF
BULK38D	450	800	5	60	SOT-82	0.7	2	0.4	HL, HF
BUL58D	450	800	8	75	TO-220	1.5	4	0.8	HL, HF
BUL410	450	1000	7	75	TO-220	1.5	3	0.6	HF
BUL510	450	1000	8	80	TO-220	1	4	0.8	HF
BUL810	450	1000	15	125	TO-218	1	5	1	HL, HF
BUL310	500	1000	5	75	TO-220	0.7	2	0.4	HF
BUL310PI	500	1000	5	35	ISOWATT220	0.7	2	0.4	HF
BUL213	600	1300	3	60	TO-220	0.9	1	0.2	HF
BUL216	800	1600	4	70	TO-220	1	1	0.2	HF
BUL416	800	1600	6	85	TO-220	1.5	2	0.4	HF

# Typical Value.

CFL = Compact Fluorescent Lamp

HF = High Frequency Ballast

HL = Halogen Lamp