

## 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> (V) (A) (A)	Typical Application
<a href="#">BUL26</a>	300	600	4	60	TO-220	0.7 2 0.4	CFL
<a href="#">BUL26D</a>	300	600	4	60	TO-220	0.7 2 0.4	CFL
<a href="#">BULK26D</a>	300	600	4	50	SOT-82	0.7 2 0.4	CFL
<a href="#">BULD26-1</a>	300	600	4	20	IPAK	0.7 2 0.4	CFL
<a href="#">MJE13005</a>	400	700	4	75	TO-220	1 4 1	CFL, HF
<a href="#">BUL57</a>	400	700	7	75	TO-220	0.75 3 0.6	HF
<a href="#">BUL57PI</a>	400	700	7	35	ISOWATT220	0.75 3 0.6	HF
<a href="#">BUL67</a>	400	700	8	80	TO-220	1 4 0.8	HL, HF
<a href="#">MJE13007</a>	400	700	8	80	TO-220	1.5 5 1	HL, HF
<a href="#">BUL87</a>	400	700	10	90	TO-220	1 5 1	HL, HF
<a href="#">BUL381</a>	400	800	5	70	TO-220	0.7 2 0.4	CFL, HF
<a href="#">BUL381D</a>	400	800	5	70	TO-220	0.7 2 0.4	CFL, HF
<a href="#">BUL382</a>	400	800	5	70	TO-220	0.7 2 0.4	CFL, HF
<a href="#">BULK381</a>	400	800	5	60	SOT-82	0.7 2 0.4	CFL, HF
<a href="#">BULK382</a>	400	800	5	60	SOT-82	0.7 2 0.4	CFL, HF
<a href="#">BULD38-1</a>	400	800	5	30	IPAK	0.7 2 0.4	CFL, HF
<a href="#">BUL138</a>	400	800	5	70	TO-220	1 3 0.6	CFL, HF
<a href="#">BULD138-1</a>	400	800	5	30	IPAK	1 3 0.6	CFL, HF
<a href="#">BUL38D</a>	450	800	5	70	TO-220	0.7 2 0.4	HL, HF
<a href="#">BULK38D</a>	450	800	5	60	SOT-82	0.7 2 0.4	HL, HF
<a href="#">BUL58D</a>	450	800	8	75	TO-220	1.5 4 0.8	HL, HF
<a href="#">BUL410</a>	450	1000	7	75	TO-220	1.5 3 0.6	HF
<a href="#">BUL510</a>	450	1000	8	80	TO-220	1 4 0.8	HF
<a href="#">BUL810</a>	450	1000	15	125	TO-218	1 5 1	HL, HF
<a href="#">BUL310</a>	500	1000	5	75	TO-220	0.7 2 0.4	HF
<a href="#">BUL310PI</a>	500	1000	5	35	ISOWATT220	0.7 2 0.4	HF
<a href="#">BUL213</a>	600	1300	3	60	TO-220	0.9 1 0.2	HF
<a href="#">BUL216</a>	800	1600	4	70	TO-220	1 1 0.2	HF
<a href="#">BUL416</a>	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