

**BIPOLAR TRANSISTORS FOR ELECTRONIC LIGHTING**

Device	V <sub>CEO</sub> (V)	V <sub>CES</sub> V <sub>CEV</sub> (V)	I <sub>c</sub> (A)	P <sub>tot</sub> (W)	Package	TYPICAL APPLICATION			
						Compact fluorescent Lamps	Industrial Lamp Ballasts push pull	half bridge	Halogen Lamp Transformers
BULD118-1	400	700	2	20	IPAK	up to 13W		up to 20W	
BULD118D-1	400	700	2	20	IPAK	up to 13W		up to 20W	
BULD128D-1	400	700	4	35	IPAK	up to 23W		up to 40W	up to 30W
ST13003	400	700	1.5	40	SOT-32	up to 9W			
BULT118	400	700	2	45	SOT-32	up to 13W		up to 20W	
BULT118D	400	700	2	45	SOT-32	up to 13W		up to 20W	
BULK128D	400	700	4	55	SOT-82	up to 23W		up to 40W	up to 30W
BULK380D	400	750	5	60	SOT-82	> 23W	up to 80W*	up to 80W	
BULK381D	400	750	5	60	SOT-82	> 23W	up to 80W*	up to 80W	
BULK38D	450	800	5	60	SOT-82				up to 50W
BUL128	400	700	4	70	TO-220	up to 23W		up to 40W	
BUL128D	400	700	4	70	TO-220	up to 23W		up to 40W	up to 30W
ST13005	400	700	4	75	TO-220	up to 23W		up to 40W	
BUL57	400	700	8	85	TO-220		up to 140W*	up to 140W	
ST13007	400	700	8	80	TO-220		up to 140W*	up to 140W	
BUL67	400	700	10	100	TO-220				up to 150W
BUL87	400	700	12	110	TO-220				up to 200W
BUL138	400	800	5	80	TO-220		up to 80W*	up to 80W	
BUL381	400	800	5	70	TO-220	> 23W	up to 80W*	up to 80W	
BUL381D	400	800	5	70	TO-220	> 23W	up to 80W*	up to 80W	
BUL382	400	800	5	70	TO-220	> 23W	up to 80W*	up to 80W	
BUL382D	400	800	5	70	TO-220	> 23W	up to 80W*	up to 80W	
BUL38D	450	800	5	80	TO-220				up to 75W
BUL58D	450	800	8	85	TO-220				up to 105W
BUL510	450	1000	10	100	TO-220				up to 150W
BUL310	500	1000	5	75	TO-220			up to 120W	
BUL213	600	1300	3	60	TO-220		up to 90W	up to 90W**	
BUL216	800	1600	4	90	TO-220		up to 130W**		
BUL416	800	1600	6	110	TO-220		up to 200W**		
BUL57PI	400	700	8	35	ISOWATT220		up to 140W*	up to 140W	
BUL310PI	500	1000	5	35	ISOWATT220			up to 120W	
BUL810	450	1000	15	125	TO-218				up to 300W

Suffix D = Integrated free-wheeling diode; \* = 120V AC mains; \*\* = 277V AC mains