

general purpose darlington selector guide

P_D 60 → 150 W

guide de sélection darlington usage général



V_{CE0} I_C	45V	60V	80V	100V	120V	Case
16 A		BDX 67 BDX 66	BDX 67 A BDX 66 A	BDX 67 B BDX 66 B	BDX 67 C BDX 66 C	TO-3
		BDV 67 BDV 66	BDV 67 A BDV 66 A	BDV 67 B BDV 66 B	BDV 67 C BDV 66 C	TOP-3
12 A		BDX 65 BDX 64	BDX 65 A BDX 64 A	BDX 65 B BDX 64 B	BDX 65 C BDX 64 C	TO-3
		BDV 65 BDV 64	BDV 65 A BDV 64 A	BDV 65 B BDV 64 B	BDV 65 C BDV 64 C	TOP-3
10 A	BDX 33 BDX 34	BDX 33 A BDX 34 A	BDX 33 B BDX 34 B	BDX 33 C BDX 34 C	BDX 33 D BDX 34 D	TO-220
8 A	BDX 53 BDX 54	BDX 53 A BDX 54 A	BDX 53 B BDX 54 B	BDX 53 C BDX 54 C		TO-220
		BDX 63 BDX 62	BDX 63 A BDX 62 A	BDX 63 B BDX 62 B	BDX 63 C BDX 62 C	TO-3

PNP

Datasheet Support

switching darlington and SUPERSWITCH darlington TO-3 selector guide

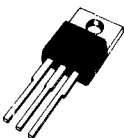
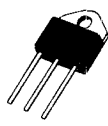
guide de sélection darlington de commutation et SUPERSWITCH TO-3

V_{CE0} (sus) V_{CEX} I_C (sat)	400V 450V	400V 600V	500V 800V	Case
36 A		ESM 871		
32 A			ESM 870	
24 A		BUV 74		
18 A		ESM 856		
16 A			ESM 855	
12 A		BUV 54		
10 A	BUX 37 ESM 837			

Type		V _{CEO} V _{CEX} *	I _C cont (A)	P _{tot} (W)	h _{21E} / I _C *V _{CE} = 1,5 V		V _{CE (sat)} / max (V)	I _C / I _B		t _d + t _r *max typ (μs)	t _s *max typ (μs)	t _f *max typ (μs)	Case
NPN	PNP				min	max		(A)	(A)				

general purpose darlington

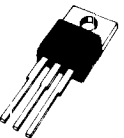
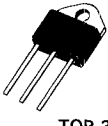
darlington usage général

BDX 53	BDX 54	45	8	60	750*	3	2	3	0,012				 TO-220 AB CB-117	
BDX 33	BDX 34	45	10	70	750*	4	2,5	4	0,008					
BDX 53 A	BDX 54 A	60	8	60	750*	3	2	3	0,012					
BDX 33 A	BDX 34 A	60	10	70	750*	4	2,5	4	0,008					
BDX 53 B	BDX 54 B	80	8	60	750*	3	2	3	0,012					
BDX 33 B	BDX 34 B	80	10	70	750*	3	2,5	3	0,006					
BDX 53 C	BDX 54 C	100	8	60	750*	3	2	3	0,012					
BDX 33 C	BDX 34 C	100	10	70	750*	3	2,5	3	0,006					
BDX 33 D	BDX 34 D	120	10	70	750*	3	2,5	3	0,006					
BDV 65	BDV 64	60	12	100	1000*	5	2	5	0,02					 TOP-3 CB-244
BDV 67	BDV 66	60	16	125	1000*	10	2	10	0,04					
BDV 65 A	BDV 64 A	80	12	100	1000*	5	2	5	0,02					
BDV 67 A	BDV 66 A	80	16	125	1000*	10	2	10	0,04					
BDV 65 B	BDV 64 B	100	12	100	1000*	5	2	5	0,02					
BDV 67 B	BDV 66 B	100	16	125	1000*	10	2	10	0,04					
BDV 65 C	BDV 64 C	120	12	100	1000*	5	2	5	0,02					
BDV 67 C	BDV 66 C	120	16	125	1000*	10	2	10	0,04					

N
N

switching darlington

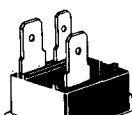
darlington de commutation

BU 184		400*	8	60	100	5	1,5	5	0,05			0,3	 TO-220 AB CB-117
BU 189		330*	8	60	100	5	1,5	5	0,05			0,3	
ESM 737		400	8	75	50	6	2	6	0,12				
BU 289		330*	8	90	100	5	1,5	5	0,05			0,3	 TOP-3 CB-244
BU 284		400*	8	90	100	5	1,5	5	0,05			0,3	
BUV 37		400	15	100	60	10	2	10	0,15	1,2	6	5	

N
N

superswitch darlington

darlington superswitch

ESM 749		400	25	125	20*			20	1	1 *	3*	0,75*	 ISOTOP CB-285
ESM 753		600	18	125	12*			12	1	0,8*	4*	0,5 *	

N
N

(1) T_{case} = 100 °C

N: New product
Nouveau produit

T_c = 25 °C unless otherwise specified
sauf spécification contraire