

High-Speed Switching (Continued)

Type No.	V _{CEO(sus)} V	V _{CEX(sus)} V	P _T W	hFE			V _{CE(sat)} -V			t _r μs	t _f μs	JEDEC Package
				I _C A	V _{CE} V		I _C A	I _B A				
D45VH FAMILY (p-n-p)			-	Complementary to D44VH Family								
D45VH1	-30	-50	83	20 min.	-4	-1	-1	-8	-0.8	0.25	0.1	TO-220AB
D45VH4	-45	-70	83	20 min.	-4	-1	-1	-8	-0.8	0.25	0.1	
D45VH7	-60	-80	83	20 min.	-4	-1	-1	-8	-0.8	0.25	0.1	
D45VH10	-80	-100	83	20 min.	-4	-1	-1	-8	-0.8	0.25	0.1	
D45VM FAMILY (p-n-p)			-	Complementary to D44VM Family								
D45VM1	-30	-50	50	20 min.	-6	-1	-0.6	-6	-0.3	0.25	0.075	TO-220AB
D45VM4	-45	-70	50	20 min.	-6	-1	-0.6	-6	-0.3	0.25	0.075	
D45VM7	-60	-80	50	20 min.	-6	-1	-0.6	-6	-0.3	0.25	0.075	
D45VM10	-80	-100	50	20 min.	-6	-1	-0.6	-6	-0.3	0.25	0.075	
D72 FAMILY (n-p-n)			-	Complementary to D73 Family								
D72F5T1	50	60*	20	30 min.	3	1	0.4	3	0.15	0.1■	0.1	TO-251/2
D72F5T2	50	60*	20	30 min.	3	1	0.4	3	0.15	0.1■	0.1	
D73 FAMILY (p-n-p)			-	Complementary to D72 Family								
D73F5T1	-50	-60*	20	30 min.	-3	-1	-0.4	-3	-0.15	0.1■	0.1	TO-251/2
D73F5T2	-50	-60*	20	30 min.	-3	-1	-0.4	-3	-0.15	0.1■	0.1	
RJH6688 SwitchMax FAMILY (n-p-n)			-									
RJH6686	160	210	200	15 min.	25	2	1.5	25	2.5	0.6	0.8	TO-218AC
RJH6687	180	230	200	15 min.	25	2	1.5	25	2.5	0.6	0.8	
RJH6688	200	250	200	15 min.	20	2	1.5	20	2	0.6	0.8	

■ t_{ON} values *V_{CBO}

High-Voltage

Type No.	V _{CEO(sus)} V	V _{CEV(sus)} V	P _T W	hFE			V _{CE(sat)} - V			f _T (Typ) MHz	JEDEC Package
				I _C A	V _{CE} V		I _C A	I _B A			
2N3439 FAMILY (n-p-n)			10W max	Complementary to 2N5415 Family							
40346	-	175‡	10	25 min.	0.01	10	0.5	0.01	0.001	25	TO-205AD/ TO-39
40346V1	-	175‡	10	25 min.	0.01	10	0.5	0.01	0.001		
40412	-	250‡	10	40 min.	0.03	20	0.5	0.01	0.001		
40321	-	300‡	5	25-200	0.02	10	-	-	-		
40327	-	300‡	5	40-250	0.02	10	-	-	-		
2N3440*	250	300‡	10	40-160	0.02	10	0.5	0.05	0.004		
2N4064□	250	-	10	40-160	0.02	10	0.5	0.05	0.004		
2N3439*	350	400‡	10	40-160	0.02	10	0.5	0.05	0.004		
2N4063■	350	-	10	40-160	0.02	10	0.5	0.05	0.004		
2N3585 FAMILY (n-p-n)			40W max	Complementary to 2N6213 Family							
BUX67	-	200	35	10-150	1	5	2.5	1	0.15	25	TP-213AA/ TO-66
2N3583	175	250‡	35	40 min.	0.1	10	5	1	0.125		
2N3584*	250	300‡	35	40 min.	0.1	10	0.75	1	0.125		
40318	-	300‡	35	50 min.	0.5	10	-	-	-		
40322	-	300‡	35	75 min.	0.5	10	-	-	-		
BUX67A	-	300	35	10-150	1	5	2.5	1	0.15		
BUX67B	-	350	35	10-150	1	5	2.5	1	0.15		
2N3585*	300	400‡	35	40 min.	0.1	10	0.75	1	0.125		
2N4240	300	400‡	35	30-150	1	10	1	0.75	0.075		
BUX67C	-	400	35	10-150	1	5	2.5	1	0.15		

*JAN types available ‡ V_{CEV(sus)} ■ 2N4063 - 2N3439 with flange □ 2N4064 - 2N3440 with flange