

LOW $V_{CE(sat)}$
(DC-DC Converter)

Type No.		I _C	V _{CEO}	P _C	h _{FE}		V _{CE(sat)} •MAX.			f _T TYP.			Cob TYP.		SWTimeTYP.			
					V _{CE}	I _C		I _C	I _B		V _{CE}	I _C		V _{CB}	ton	tstg	tf	
NPN	PNP	(A)	(V)	(W)	(V)	(A)	(V)	(A)	(A)	(MHz)	(V)	(A)	(pF)	(V)	(μs)	(μs)	(μs)	
2SC3475	—	4	60	20	60~200	4	1	0.6	2	0.2	20	4	0.5	70	10	0.15	1.0	0.15
2SC3229	2SA1307	5	50	20	70~240	1	1	0.4	3	0.15	120/60	4	1	80/170	10	0.1	1.0	0.1
—	2SA1387		50	25	150~400	1	1	0.4	3	0.075	120/80	4	1	200	10	0.2	1.0	0.2
2SD1948	—		60±10	25	500~1500	1	1	0.3	3	0.03	110	5	1	85	10	0.1	2.0	0.5
2SC3540	2SA1388		80	25	70~240	1	1	0.4	3	0.15	120/60	4	1	200	10	0.2	1.0	0.1
2SD2076	—		100	30	500~1500	1	1	0.3	3	0.03	90	5	1	110	10	0.6	3.0	0.8
2SD1412	2SB1019		7	50	30	70~240	1	1	0.4	4	0.4	10	4	1	250	10	0.2	2.5
2SD1411	2SB1018	80		30	70~240	1	1	0.5	4	0.4	10	4	1	250	10	0.4	2.5	0.5
2SD2075	—	10	60±10	30	500~1500	1	1	0.3	5	0.05	90	5	1	140	10	0.5	2.0	0.6
2SD1947	—		100	40	500~1500	1	1	0.3	5	0.05	70	5	1	160	10	0.5	6.0	1.0
2SC3709	2SA1451	12	50	30	70~240	1	1	0.4	6	0.3	90/70	5	1	180/320	10	0.2/0.3	1.0	0.2/0.5
2SC3710	2SA1452		80	30	70~240	1	1	0.4	6	0.3	80/50	5	1	200/400	10	0.2/0.3	1.0	0.2/0.5

STROBE FLASH

—	2SA1327	10	20	20	100~320	2	1	0.4	8	0.4	40	2	1	400	10	—	—	—
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Application
SWITCHING REG.

2SC3309	—	3	400	20	20MIN.	5	0.1	1.0	1	0.2	—	—	—	—	—	▲ [*] 1.0	*2.5	*1.0
2SD1571	—		400	30	10MIN.	5	0.5	1.0	5	0.05	4	10	0.1	75	10	—	—	1.0
2SC3559	—		800	30	10MIN.	5	0.8	0.6	0.8	0.16	—	—	—	—	—	▲ [*] 1.0	*4.0	*1.0
2SC3310	—	5	400	30	12MIN.	5	3	1.0	5	1	—	—	—	—	—	▲ [*] 1.0	*2.5	*1.0
2SC3626	—	8	400	40	10MIN.	5	4	1.0	4	0.8	—	—	—	—	—	▲ [*] 1.0	*2.5	*1.0

DARLINGTON

2SD1414	2SB1024	4	80	20	2000MIN.	2	1	1.5	3	6m	—	—	—	—	—	0.2/0.15	1.5/0.8	0.6/0.4
2SD1410	—	6	250	25	2000MIN.	2	2	2	4	40m	—	—	—	35	50	1.0	8	5
2SD1409	—		400	25	600MIN.	2	2	2	4	40m	—	—	—	35	50	1.0	8	5
2SD1417	2SB1022	7	60	30	2000~15000	3	3	1.5	3	6m	—	—	—	—	—	0.8	3/2	2.5
2SD1416	2SB1021		80	30	2000~15000	3	3	1.5	3	6m	—	—	—	—	—	0.8	3/2	2.5
2SD1415	2SB1020		100	30	2000~15000	3	3	1.5	3	6m	—	—	—	—	—	0.8	3/2	2.5

*MAX. ▲tr

TO-220IS

