



## (8) TO-220 IS PACKAGE SERIES

## Application

\* MAX.  $\Delta$  tr

Type No.	NPN	PNP	I <sub>C</sub> (A)	V <sub>CEO</sub> *V <sub>CBO</sub> (V)	P <sub>C</sub> T <sub>c</sub> =25°C (W)	h <sub>FE</sub>			V <sub>CE(sat)</sub> MAX.			f <sub>T</sub> TYP.			Cob TYP.			SW Time TYP.			
						V <sub>CE</sub> (V)	I <sub>C</sub> (A)	I <sub>C</sub> (A)	V <sub>CE</sub> (V)	I <sub>C</sub> (A)	I <sub>B</sub> (A)	(MHz)	V <sub>CE</sub> (V)	I <sub>C</sub> (A)	f=1MHz (pF)	V <sub>CB</sub> (V)	ton (μs)	tstg (μs)	tf (μs)		
2SC3296		2SA1304	1.5	150	20	40~140	10	0.5	1.5	0.5	50m	4/6	10	0.5	35/50	10	-	-	-	-	
2SC3298		2SA1306		160	20	70~240	5	0.1	1.5	0.5	50m	100	10	0.1	25/30	10	-	-	-	-	
2SC3298A		2SA1306A		180	20	70~240	5	0.1	1.5	0.5	50m	100	10	0.1	25/30	10	-	-	-	-	
2SC3298B		2SA1306B	200	20	70~240	5	0.1	1.5	0.5	50m	100	10	0.1	25/30	10	-	-	-	-	-	
2SC3297		2SA1305	30	15	70~240	2	0.5	0.8	2	0.2	100	5	5	0.5	35/40	10	-	-	-	-	
2SD1405			50	30	200~1200	5	0.5	1.0	1	20m	5	5	5	0.5	70	10	1.5	4.5	3	0.8/0.5	
2SD1406		2SB1015	60	25	60~300	5	0.5	1.0	3	0.3	3	3	5	0.5	70/150	10	0.8/0.4	1.5/1.7	0.8/0.5	-	
2SD1408		2SB1017	80	25	40~240	5	0.5	1.5	3	0.3	8	8	5	0.5	90/130	10	-	-	-	-	
2SD1407		2SB1016	100	30	40~240	5	1	2.0	4	0.4	12	12	5	1	100/270	10	-	-	-	-	
2SD1404			*300	25	10MIN.	1.5	5	1.5	5	0.5	18	18	10	0.2	-	-	-	-	-	-	
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	0.15	
2SC3299		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	0.1	
-		2SA1387	5	50	25	150~400	1	1	0.4	3	0.075	80	4	1	200	10	0.2	1	0.2	0.2	
2SC3540		2SA1388	7	80	25	70~240	1	1	0.4	3	0.15	120/60	4	1	80/200	10	0.2	1	0.1	0.1	
2SD1412		2SB1019	7	50	30	70~240	1	1	0.4	4	0.4	10	4	1	250	10	0.2	2.5	0.5	0.5	
2SD1411		2SB1018	10	80	30	70~240	1	1	0.5	4	0.4	10	4	1	250	10	0.4	2.5	0.5	0.5	
2SC3627			10	200	30	20~80	5	5	1.0	5	0.5	-	-	-	-	-	*1.0	*2.5	*1.0	*1.0	
		2SA1327	10	20	20	100~320	2	1	0.4	8	0.4	45	2	1	400	10	-	-	-	-	-

LOW V<sub>CE</sub> (sat)

(DC-DC Converter)

## STROBO FLASH