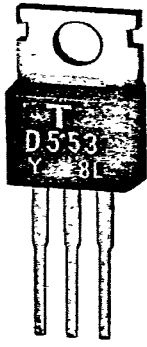


9097250 TOSHIBA (DISCRETE/OPTO)

67C 08886

D T-33-01

TO-220AB



*MAX.

(7) TO-220AB PACKAGE SERIES

Application

Type No.		IC	V _{CEO} V _{CBO} (V)	PC T _g =25°C (W)	hFE		V _{CE(sat)} MAX.		f _T TYP.		Cob. TYP.		SW Time TYP.		
NPN	PNP	(A)			V _{CE} (V)	I _C (A)	(V)	I _C (A)	I _B (A)	V _{CE} (V)	(MHz)	(pF)	f ₁ =1MHz (μs)	t _{on} (μs)	t _{stg} (μs)
2SC1569		0.15	300	12.5	10	50m	1	0.1	20m	10	100	5	50	—	—
2SC2242				25	10	50m	3	0.1	10m	50	50	5.5	30	—	—
2SC2073	2SA940		150	25	10	0.5	1.5	0.5	50m	10	4/6	35/50	10	—	—
2SC2238	2SA968	1.5	160	25	5	0.1	1.5	0.5	50m	10	100	25/30	10	—	—
2SC2238A	2SA968A		180	25	5	0.1	1.5	0.5	50m	10	100	25/30	10	—	—
2SC2238B	2SA968B		200	25	5	0.1	1.5	0.5	50m	10	100	25/30	10	—	—
2SC1173	2SA473		30	10	2	0.5	0.8	2	0.2	100	100	35/40	10	—	—
2SD235 (G)	2SB435 (G)	3	40	25	1	0.5	1.2	3	0.3	3	3	90/150	10	—	—
2SD1052			50	30	5	0.5	1.0	1	20m	5	5	70	10	1.5	4.5
2SD1052A			50	30	5	0.5	1.0	1	20m	5	5	70	10	2	5
2SD234 (G)	2SB434 (G)		50	25	1	0.5	1.2	3	0.3	3	3	90/150	10	—	—
2SD880	2SB834		60	30	5	0.5	1.0	3	0.3	3	3	70/150	10	0.8/0.4	1.5/1.7
2SC2233		4	*200	40	5	1	1	4	0.4	5	8	—	—	—	—
2SD526	2SB596		80	30	5	0.5	1.5	3	0.3	5	8	90/130	10	—	—
2SD525	2SB595	5	100	40	5	1	2.0	4	0.4	5	12	100/270	10	—	—
BU407D		7	*330	60	1.5	5	1.5	5	0.5	18	18	—	—	—	*1.0
2SD1069			*300	40	1.5	5	1.5	5	0.5	18	18	—	—	—	*1.0

TV Chroma Out

TV Sound Out

TV Vertical Out

Audio Drive

Audio Drive

Audio Drive

General Purpose

General Purpose

General Purpose

General Purpose

General Purpose

General Purpose

TV Horizontal Out

General Purpose

General Purpose

TV Horizontal Out

TV Horizontal Out