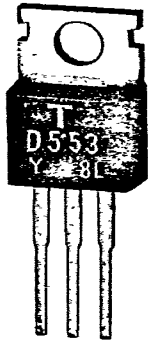


9097250 TOSHIBA (DISCRETE/OPTO)

67C 08886

D T-33-01

TO-220AB



*MAX.

(7) TO-220AB PACKAGE SERIES

Application

Type No.		IC	V _{CEO} V _{CBO} (V)	P _C T _C =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)	(MHz)	V _{CE} (V)	I _C (A)	f=1MHz (pF)	V _{CE} (V)	t _{on} (μs)	t _{stg} (μs)	t _f (μs)
2SC1569		0.15	300	12.5	40~170	10	50m	1	0.1	20m	100	10	30m	5	50	—	—	—
2SC2242				25	40~170	10	50m	3	0.1	10m	50	20m	5.5	30	—	—	—	—
2SC2073		1.5	150	25	40~140	10	0.5	1.5	0.5	50m	4/6	10	0.5	35/50	10	—	—	—
2SC2238			160	25	70~240	5	0.1	1.5	0.5	50m	100	10	0.1	25/30	10	—	—	—
2SC2238A			180	25	70~240	5	0.1	1.5	0.5	50m	100	10	0.1	25/30	10	—	—	—
2SC2238B			200	25	70~240	5	0.1	1.5	0.5	50m	100	10	0.1	25/30	10	—	—	—
2SC1173		3	30	10	70~240	2	0.5	0.8	2	0.2	100	2	0.5	35/40	10	—	—	—
2SD235 (G)			40	25	40~240	1	0.5	1.2	3	0.3	3	10	0.5	90/150	10	—	—	—
2SD1052			50	30	250~750	5	0.5	1.0	1	20m	5	5	0.5	70	10	1.5	4.5	3
2SD1052A			50	30	400~1200	5	0.5	1.0	1	20m	5	5	0.5	70	10	2	5	3
2SD234 (G)		4	50	25	40~240	1	0.5	1.2	3	0.3	3	10	0.5	90/150	10	—	—	—
2SD880			60	30	60~300	5	0.5	1.0	3	0.3	3	5	0.5	70/150	10	0.8/0.4	1.5/1.7	0.8/0.5
2SC2233			*200	40	30~150	5	1	1	4	0.4	8	5	0.5	—	—	—	—	—
2SD526			80	30	40~240	5	0.5	1.5	3	0.3	8	5	0.5	90/130	10	—	—	—
2SD525		5	100	40	40~240	5	1	2.0	4	0.4	12	5	1	100/270	10	—	—	—
BU407D		7	*330	60	10MIN.	1.5	5	1.5	5	0.5	18	10	0.2	—	—	—	—	*1.0
2SD1069			*300	40	10MIN.	1.5	5	1.5	5	0.5	18	10	0.2	—	—	—	—	*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