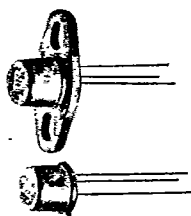


TO-39



(16) TO-39 PACKAGE SERIES

Application

Type No.		IC (A)	V _{CEO} (V)	P _C T _a =25°C T _c =25°C (W)	h _{FE}		V _{CE(sat)} MAX.		f _T TYP.		Cob TYP.		SW Time TYP.		
NPN	PNP														
2SC507		0.1	120	0.75		V _{CE} (V)	I _C (A)	I _B (A)	(MHz)	V _{CE} (V)	I _C (A)	f=1MHz (pF)	t _{on} (μs)	t _{stg} (μs)	t _f (μs)
2SC594	2SA594		45	*5	40~240	1	10m	1	250	20	10m	2.8	10	1	0.1
2SC506		0.2	200	0.6	40~140	5	50m	5	60	10	10m	20MAX.	0.03/0.04	0.25	0.03
2SC505			300	0.6	40~140	5	50m	5	60	10	10m	20MAX.	0.3	4	0.5
2SC504	2SA504	0.6	60	*6	30~300	2	150m	15	80	2	150m	13/22	0.04/0.06	0.45	0.1/0.08
2SC503	2SA503		80	*6	30~240	2	150m	15	80	2	150m	13/22	0.04/0.06	0.45	0.1/0.08
2SC498	2SA498		50	0.6	40~240	2	0.2	0.8	50/70	10	10m	15/33	—	—	—
2SC109A		0.8	50	0.8	40~240	2	0.2	0.4	150	10	10m	9	0.03	0.06	0.02
2SC108A			70	0.8	40~240	2	0.2	0.4	150	10	10m	9	0.03	0.06	0.02
2SC497	2SA497		80	0.6	40~240	2	0.2	0.8	50/70	10	10m	15/33	—	—	—
2SC512	2SA512	1.5	60	*8	30~150	2	0.2	0.6	60	10	30m	25/43	0.13/0.12	3/2	0.2
2SC510	2SA510		100	*8	30~150	2	0.2	0.6	60	10	30m	25/43	0.1	3/2	0.2
2SC3007		2	50	0.8	70~240	2	0.5	0.5	100	2	0.5	30	0.1	1	0.1
2SD688	2SB678	1.5	100	*8	1000MIN.	2	1	1.5	—	—	—	—	0.3	2	0.7
2SC524		1.5	60	*10	30~150	2	0.2	0.6	60	10	30m	25/43	0.13/0.12	3/2	0.2
2SC522			100	*10	30~150	2	0.2	0.6	60	10	30m	25/43	0.13/0.12	3/2	0.2

LOW V_{CE} (sat)

DARLINGTON

2SC512 with Frange

2SC510 with Frange