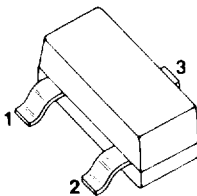


# PNP TRANSISTORS



**SOT-23/TO-236AB**

## ELECTRICAL CHARACTERISTICS at $T_A = 25^\circ\text{C}$

Device Type	Marking	$V_{(BR)CBO}$ (V)	$V_{(BR)CEO}$ (V)	$V_{(BR)EBO}$ (V)	$I_{CBO}$		DC Current Gain				$V_{CE(sat)}$		$f_T$		$C_{ob}^1$ (pF)	$t_s^1$ (ns)	NF <sup>1</sup> (dB)	Pinning 1, 2, 3
					Max. @ $V_{CB}$ (nA)	(V)	$h_{FE}$ Min.	$h_{FE}$ Max.	@ $I_C$ (mA)	@ $V_{CE}$ (V)	Max. @ $I_C$ (V)	(mA)	Min. @ $I_C$ (MHz)	(mA)				
BCW29	C1	30 <sup>3</sup>	32	5.0	100	20	120	260	2.0	5.0	0.3	10	—	—	7.0	—	10	BEC*
BCW30	C2	30 <sup>3</sup>	32	5.0	100	20	215	500	2.0	5.0	0.3	10	—	—	7.0	—	10	BEC*
BCW61A	BA	32 <sup>3</sup>	32	5.0	20	32	120	220	2.0	5.0	0.25	10	—	—	6.0	800	6.0	BEC*
BCW61B	BB	32 <sup>3</sup>	32	5.0	20	32	180	310	2.0	5.0	0.25	10	—	—	6.0	800	6.0	BEC*
BCW61C	BC	32 <sup>3</sup>	32	5.0	20	32	250	460	2.0	5.0	0.25	10	—	—	6.0	800	6.0	BEC*
BCW61D	BD	32 <sup>3</sup>	32	5.0	20	32	380	630	2.0	5.0	0.25	10	—	—	6.0	800	6.0	BEC*
BCW67A	DA	45 <sup>3</sup>	32	5.0	20	32	100	250	100	1.0	0.7	500	100	20	18	—	10	BEC*
BCW67B	DB	45 <sup>3</sup>	32	5.0	20	32	160	400	100	1.0	0.7	500	100	20	18	—	10	BEC*
BCW68F	DF	60 <sup>3</sup>	45	5.0	20	45	100	250	100	1.0	0.7	500	100	20	18	—	10	BEC*
BCW68G	DG	60 <sup>3</sup>	45	5.0	20	45	160	400	100	1.0	0.7	500	100	20	18	—	10	BEC*
BCW69	H1	50 <sup>3</sup>	45	5.0	100	20	120	260	2.0	5.0	0.3	10	—	—	7.0	—	10	BEC*
BCW70	H2	50 <sup>3</sup>	45	5.0	100	20	215	500	2.0	5.0	0.3	10	—	—	7.0	—	10	BEC*
BCX17	T1	50 <sup>3</sup>	45	5.0	100	20	100	600	100	1.0	0.62	500	—	—	8.0	—	—	BEC*
BCX18	T2	30 <sup>3</sup>	25	5.0	100	20	100	600	100	1.0	0.62	500	—	—	8.0	—	—	BEC*
BCX71G	BG	453	45	5.0	20	45	120	220	2.0	5.0	0.25	10	—	—	6.0	—	—	BEC*
BCX71H	BH	45 <sup>3</sup>	45	5.0	20	45	180	310	2.0	5.0	0.25	10	—	—	6.0	—	—	BEC*
BCX71J	BJ	45 <sup>3</sup>	45	5.0	20	45	250	460	2.0	5.0	0.25	10	—	—	6.0	—	—	BEC*
BCX71K	BK	45 <sup>3</sup>	45	5.0	20	45	380	630	2.0	5.0	0.25	10	—	—	6.0	—	—	BEC*
TMPT2907	2B	60	40	5.0	20	50	100	300	150	10	0.4	150	200	50	8.0	100	—	BEC*
TMPT2907A	2F	60	60	5.0	10	50	100	300	150	10	0.4	150	200	50	8.0	100	—	BEC*
TMPT3906	2A	40	40	5.0	—	—	100	300	10	1.0	0.25	10	250	10	4.5	225	4.0	BEC*
TMPT4402	2W	40	40	5.0	—	—	50	150	150	2.0	0.4	150	150	20	10	225	—	BEC*
TMPT4403	2T	40	40	5.0	—	—	100	300	150	2.0	0.4	150	200	20	10	225	—	BEC*
TMPT5086	2P	50	50	—	50	35	150	500	0.1	5.0	0.3	10	40	0.5	4.0	—	3.0	BEC*
TMPT5087	2Q	50	50	—	50	35	250	800	0.1	5.0	0.3	10	40	0.5	4.0	—	2.0	BEC*
TMPT5401	2L	160	150	5.0	50	120	60	240	10	5.0	0.2	10	100	10	6.0	—	8.0	BEC*
TMPTA55	2H	60	60	4.0	100	60	50	—	100	1.0	0.25	100	50	100	—	—	—	BEC*
TMPTA56	2G	80	80	4.0	100	80	50	—	100	1.0	0.25	100	50	100	—	—	—	BEC*
TMPTA70	2C	—	40	4.0	100	30	40	100	5.0	10	0.25	10	125	5.0	4.0	—	—	BEC*

NOTES: \* Reversed pinning (E-B-C) available on special order—add suffix letter 'R' to part number.

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1) Maximum at typical JEDEC conditions.

3)  $V_{(BR)CES}^1 / I_{CES}^1$  as applicable.

5)  $V_{(BR)CER}$  at  $R = 10\Omega$ .

2)  $\mu\text{A}$ .

4) mA.