

PCP (Power Chip Pack) Transistor Series

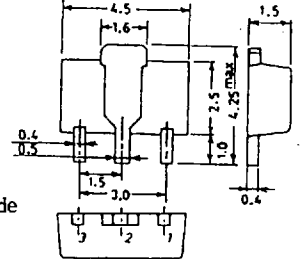
* Features

- *Very small size making it possible to provide high-density, small-sized hybrid ICs.
- *Various packing of devices are available to meet automatic assembly requirements.
- *High reliability and stable quality.
- *A full lineup for various uses.

Case Outline (unit:mm)

For TRS
1:Base
2:Collector
3:Emitter

For Diode
DCH10 DCG10
1:Cathode 1:Anode
2:Anode 2:Cathode
3:Cathode 3:Anode



For PNP, (-) sign is omitted. PC : Mounted on ceramic board(250mm²×0.8mm).

Type No.	Main Use	Absolute Maximum Ratings/Ta=25°C			Electrical Characteristics/Ta=25°C						Marking	Related Type No.	
		V _{CEO} (V)	I _C (A)	P _C (W)	V _{CE} (V)	I _C (A)	h _{FE}	I _C (A)	I _B (mA)	V _{CE(sat)} typ (V)			
* Low-Saturation Voltage TRs													
2SA1882/2SC4984	Converter, SW SW driver	15	1.5	1.3	2	50m	140~560	5m	0.5	10m	AI/CT	A1701/C4481	
2SB1118/2SD1618		15	0.7	1.3		50m	140~560	5m	0.5	15m/10m	BA/DA	B808/D1012	
2SB1119/2SD1619		25	1	1.3		50m	100~560	0.5	50	0.15/0.1	BB/DB	—	
2SB1120	Strobe(- 3V)	10	2.5	1.3		0.5	100~560	1.5	150	0.25	BC	B893	
2SD1620		10	3	1.3		3	min 140	3	60	0.3	DC	D879	
2SA2011/2SC5564		12/15	6	1.3		0.5	200~560	1.5	30	0.12	AR/FA	CPH3106/3206	
2SA2012/2SC5565	High current SW *MBIT processes	30	5	1.3		0.5	200~560	1.5	30	140m/125m	AS/FB	CPH3109/3209	
2SA2013/2SC5566		50	4	1.3		0.5	200~560	1	50	105m/85m	AT/FC	CPH3105/3205	
2SA2014/2SC5567		15	9	1.3		0.5	200~560	3	60	0.11/0.12	AU/FD	CPH3107/3207	
2SA2015/2SC5568		30	8	1.3		0.5	200~560	4	200	0.2/0.18	AV/FE	CPH3110/3210	
2SA2016/2SC5569		50	7	1.3		0.5	200~560	3.5	175	0.23/0.16	AW/FF	CPH3112/3212	
2SB1121/2SD1621		25	2	1.3		0.1	100~560	1.5	75	0.35/0.18	BD/DD	B926/D1246	
2SB1122/2SD1622		50	1	1.3		0.1	100~560	0.5	50	0.18/0.12	BE/DE	B764/D863	
2SB1123/2SD1623		50	2	1.3		0.1	100~560	1	50	0.3/0.15	BF/DF	B892/D1207	
2SB1124/2SD1624		50	3	1.5		0.1	100~560	2	100	0.35/0.19	BG/DG	B985/D1347	
2SA1896	Strobe converters	20	2.5	1.3		0.5	140~400	1.5	30	0.22	AM	—	
2SB1302		20	5	1.3		0.5	100~400	3	60	0.25	BJ	B1127	
2SD1628		20	5	1.5		0.5	120~560	3	60	max 0.5	DK	D826	
2SB1323/2SD1997*	High-current SW Motor driver *With Damper diode	30	3	1.5		0.5	min 70	1	50	0.18/0.12	BK/DO	—	
2SB1324/2SD1998*		30	3	1.5		0.5	min 70	2	100	0.25/0.2	BL/DW	—	
2SB1325/2SD1999*		20	4	1.5		0.5	min 70	3	150	0.25/0.25	BM/DN	—	
2SB1394/2SD2099*		30	3	1.5		0.5	min 70	1	50	0.18/0.12	BN/DL	—	
2SB1396		10	3	1.3		0.5	140~560	1.5	30	0.22	BO	B1395	
2SB1397/2SD2100*		20	2	1.3		0.5	min 70	1	50	0.25/0.25	BP/DP	—	
* High-Voltage TRs													
2SA1415/2SC3645	High-voltage SW	160	0.14	1.3	5	10m	100~400	50m	5	0.14/0.07	AA/CA	A1209/C2911	
2SA1416/2SC3646		100	1	1.3		0.1		0.4	40	0.2/0.1	AB/CB	A1592/C4134	
2SA1417/2SC3647		100	2	1.5		0.1		1	100	0.22/0.13	AC/CC	A1593/C4135	
2SA1418/2SC3648		160	0.7	1.3		0.1		0.25	25	0.2/0.12	AD/CD	A1248/C3116	
2SA1419/2SC3649		160	1.5	1.5		0.1		0.5	50	0.2/0.13	AE/CE	A1249/C3117	
2SA1740/2SC4548		400	0.2	1.3	10	50m	60~200	50m	5	max 0.8/0.6	AK/CN	A1699/C4002	
* Darlington TRs													
2SB1125/2SD1625	Driver	50	0.7	1.3	2	50m	min 5000	0.1	0.1	0.8/0.8	BI/DH	B888/D1111	
2SB1126/2SD1626		50	1.5	1.5		0.5	min 4000	0.5	0.5	0.9/0.9	BI/DI	B865/D1153	
2SD1627		25	2	1.5		0.5	min 4000	0.6	0.15	1.5	DJ	—	
2SD2261		60	2.5	1.5		1.0	min 2000	1.0	2	1.5	DR	—	
* High-hFE TRs													
2SC3650	Driver low noise	25	1.2	1.5	5	0.5	800~3200	0.5	10	0.12	CF	C3070	
2SC3651		100	0.2	1.3		10m	500~2000	0.1	2	0.15	CG	C3071	
* High-Voltage, HF TRs													
2SA1969	For high freq.	10	0.4	1.3	5	50m	20~120	0.2	20	0.4	AQ	—	
2SC5347	medium power amp	12	0.15	1.3	5	50m	60~270	f _T =4.7GHz, NF=1.8dB(typ)			CZ	—	
2SC5551	high-speed SW	30	0.3	1.3	5	50m	90~270	50m	5	0.15	EB	CPH6002	
2SC4272	27MHz CB transceiver Driver	45	1	1.3	5	0.5	60~320	0.5	50	0.2	CH	C2314	
2SC4673	Wide-band amplifiers	12	0.1	0.8	10	20m	40~200	cob=1.1, cre=0.75pF			CO	C3775	
2SC5415	HF general low noise amp	12	0.1	0.8	5	30m	90~270	cob=1.1, cre=0.85pF			EA	—	
2SA1575/2SC4080	Wide-band amp video output	200	0.1	1.3	10	10m	40~320	20m	2	max 1.0/1.0	AF/CI	A1406/C3600	
2SA1724		20	0.3	1.3	5	50m	15~100	0.1	10	0.4	AJ	—	
2SC4504		20	0.3	1.3	5	50m	40~200	0.1	10	0.15	CM	C4271	
* Diode													
DCG10	Very fast switching	VR	IO	IFM	IF	VF max	VR	IR max	IF	trr max	PB	Cathode common	
DCH10		200V	1A	2A	1A	1.3V	200V	10μA	1A	300nS	PC	Anode common	

In addition to these, the High-SW speed TR, FET, SBD diode (PCP) are available.
These specifications are subject to change without notice.