

New Package FLP(Full Mold Large Package)Series

Sanyo has developed FLP (Full Mold Large Package) to meet the needs of miniaturization and automatic insertion in the midst of progressing industrial and consumer electronics. Though it is a large power type with $P_c=1.5W$, it is achieved that the height on the board is less than 10mm and radial taping is provided.

Features *Large Power type such as $P_c=1.5W$ when used without a heatsink.

*It is possible to make appliances more compact because its height on board is 9.5mm.

*Effective in automatic inserting and counting stocked amount because radial taping availability.

*Product line for wide variety of applications are provided.

dc Transistors ($T_a=25^\circ C$)

Low saturation voltage

For PNP, (-) sign is omitted.

Type No.	Absolute Maximum Ratings/ $T_a=25^\circ C$				Electrical Characteristics/ $T_a=25^\circ C$							Related Type No.	
	V_{CBO} (V)	V_{CEO} (V)	I_C (A)	P_C (W)	V_{CE} (V)	I_C (A)	h_{FE} min max	I_C (A)	I_B (mA)	$V_{CE(sat)}$ typ (V)	max	TP	TO-126LP
2SA1823/2SC4727	25/30	20	8		2	0.5	100~400	5	250	0.22	0.4	A1641/C4306	-
2SA1824/2SC4728	60	50	5		2	0.5	100~400	3	150	0.28/0.22	0.55/0.4	B1203/D1803	B1165/D1722
2SA1825/2SC4729	60	50	8		2	0.5	100~400	4	200	0.25/0.2	0.5/0.4	B1204/D1804	B1166/D1723
2SA1826/2SC4730	120	100	3	1.5	5	0.5	100~400	1.5	150	0.2/0.15	0.5/0.4	B1215/D1815	B1167/D1724
2SA1827/2SC4731	120	100	4		5	0.5	100~400	2	200	0.2/0.15	0.5/0.4	B1216/D1816	B1168/D1725
2SA1854/-	25	20	5		2	0.5	100~400	3	60	0.25	0.5	B1127(TO-126)	
- /2SC4836	60	20	5		2	0.5	120~560	3	60	0.22	0.5	D826(TO126)	
2SA1855/2SC4837	60	50	4		2	0.1	100~400	2	100	0.35/0.19	0.7/0.5	B985/D1347(MP)	

High frequency output (27MHz CB Transceiver Driver Applications)

2SC4735	75	45	1	1.5	5	0.5	60~320	0.5	50	0.2	0.6	C4272(PCP)C2314(TO-126)
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High h_{FE} (Low Frequency General-purpose Amp Applications)

2SC4736	80	60	2	1.5	5	0.5	800~3200	1	20	0.2	0.5	C3808(TO-126LP)
2SC5070	30	25	2	1.5	5	0.5	800~3200	1	20	0.15	0.5	C3807(TO-126LP)

Darlington (Driver Applications)

2SB1510/2SD2284	80	60	3		2	1	min 2000	2	4			B1214/D1817(TP)
/2SC4737	60±10		2	1.5	5	1	min 1000	1	4	1.0	1.5	C3785(TO126LP)C3293(TO220)
/2SD2426	100	80	2		3	0.5	min 1000	1	2			D1914(TO126LP)

VHF band power amp (with built-in emitter stabilizing resistance)

2SC4910	38	18	0.75	1.5	10	0.2	20~200	Cob=6PF(typ) Po=0.9W(typ)	
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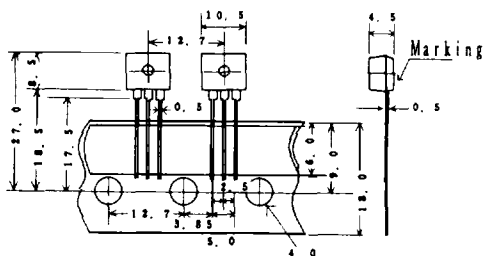
High voltage and video Output use

Type No. PNP/NPN	V_{CEO} (V)	I_C (A)	P_C (W)	f_T (MHz)	V_{CE}/I_C (V/mA)	V_{CB} (V)	cob (PF)		cre	h_{FE}		Related Type No.			
							Typ	Typ		min	max	MP	TP	TO-126	TO-126ML
2SA1828/2SC4732	200	0.1	1.3	150	30/10	30	2.6/1.7	1.7/1.2	60	~ 320	A1370/C3467		A1380/C3502		
2SA1829/2SC4733	300	0.1	1.5	150	30/10	30	3.1/2.6	2.3/1.8	60	~ 320	A1371/C3468		A1381/C3503		
2SA1830/2SC4734	400	2	1.5	40/60	10/100	30	25/15	-	40	~ 200		A1773/C4616			
- /2SC4821	20	0.5	1.3	2000	5/100	10	6	4.6	40	~ 200				C3950	
2SA1848/2SC4822	70	0.3	1.3	600	10/100	30	3.1/2.4	2.4/1.9	60	~ 320				A1536/C3951	
2SA1849/2SC4823	70	0.5	1.3	700	10/100	30	5.4/3.6	4.8/3.1	60	~ 320				A1537/C3952	
2SA1850/2SC4824	120	0.2	1.3	400	10/50	30	2.8/2.1	2.2/1.7	60	~ 320				A1538/C3953	
2SA1851/2SC4825	120	0.3	1.3	400	10/50	30	4.4/3.1	4.0/2.7	60	~ 320				A1539/C3954	
2SA1852/2SC4826	200	0.1	1.3	300	30/30	30	2.4/1.9	2.0/1.5	60	~ 320				A1540/C3955	
2SA1853/2SC4827	200	0.2	1.3	300	30/50	30	3.2/2.7	2.7/2.2	60	~ 320				A1541/C3956	
- /2SC4884	300	0.1	1.5	70	30/10	30	2.6	1.8	60	~ 320				C3789	
- /2SC5291	160	1.5	1.5	120	10/50	10	14	-	100	~ 400				C3902	

In addition to the above mentioned, MOS FETs and schottky barrier diodes are available(package:FLP) See the quick guides.

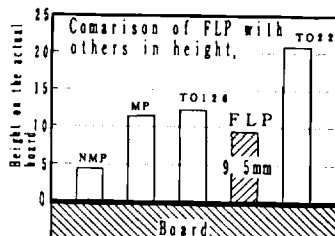
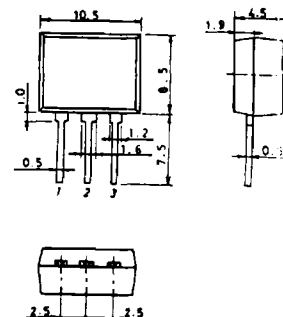
Taping dimension (unit:mm)

An outline is rough. The dimensions are shown in typical value



Case Outline
(unit:mm)

1:Emitter
2:Collector
3:Base



These specifications are subject to change without notice.