

## Transistors for TV Display Video Output Use

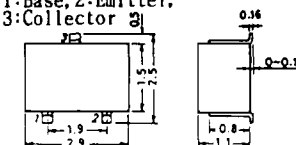
Features \*Excellent HF characteristic. \*Small reverse transfer capacitance. \*Complementary PNP and NPN types.  
\*Adoption of MBIT, FBET processes. \*Highly resistant to dielectric breakdown.

Case Outline (unit:mm)  
SANYO:CP

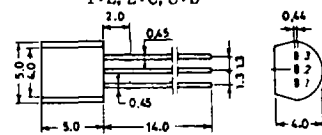
1:Base, 2:Emitter,  
3:Collector

General-Purpose Type (※: Tc=25°C) For PNP, (-) sign is omitted.

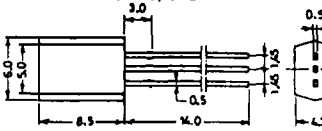
Type No.	Package	Absolute Maximum Ratings/Ta=25°C				Electrical Characteristics/Ta=25°C					
		V <sub>CB0</sub> (V)	V <sub>CEO</sub> (V)	I <sub>C</sub> (A)	P <sub>C</sub> (W)	f <sub>T</sub> typ (MHz)	V <sub>CE</sub> / I <sub>C</sub> (V/mA)	C <sub>ob</sub> typ (PF)	C <sub>re</sub> (PF)	V <sub>CB</sub> (V)	h <sub>FE</sub>
2SC2857	N P	180	180	50m	0.5	min50	30 / 10	4.0	-	10	40 ~ 320
2SA1689/2SC4449		300	300	50m	0.6	70	30 / 10	2.4/1.5	1.5/1.0	30	100 ~ 320
2SC5291	FLP	180	160	1.5	1.5	120	10 / 50	14	-	10	100 ~ 400
2SB1037/2SD1459	TO-220	150	150	1.5	※30	15/8	5 / 100	2.0	-	10	70 ~ 200
2SC1755		300	300	0.2	※15	min50	30 / 10	5.3	-	50	40 ~ 200
2SC4075	TO-220ML	300	300	0.2	※10	min50	30 / 10	5.3	-	50	40 ~ 200



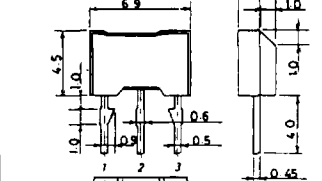
SANYO:NP  
1:E, 2:C, 3:B



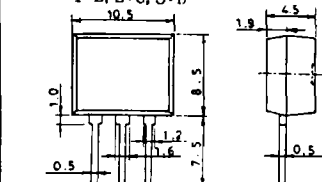
SANYO:MP  
1:E, 2:C, 3:B



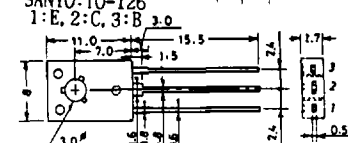
SANYO:NMP  
1:E, 2:C, 3:B



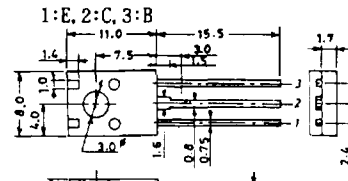
SANYO:FLP  
1:E, 2:C, 3:B



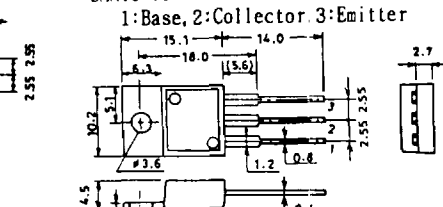
SANYO:TO-126  
1:E, 2:C, 3:B



SANYO:TO-126ML  
1:E, 2:C, 3:B



SANYO:TO-220  
1:Base, 2:Collector, 3:Emitter



High-Definition CRT Display Use

2SA1580/2SC4104	C P	70	60	50m	0.2	700	10 / 10	1.7/1.3	1.3/1.0	10	60 ~ 270
2SA1433/2SC3504					0.9	700	10 / 10	1.7	1.3/1.0	10	60 ~ 320
2SA1370/2SC3467	M P	200	200	0.1	1.0	150	30 / 10	2.6/1.7	1.7/1.2	30	40 ~ 320
2SA1371/2SC3468		300	300	0.1	1.0	150	30 / 10	3.1/2.6	2.3/1.8	30	40 ~ 320
2SA1710/2SC4490	NMP	300	300	0.1	1.0	70	30 / 10	3.1/2.6	2.3/1.8	30	40 ~ 320
2SA1787/2SC4650		200	200	0.1	1.0	150	30 / 10	2.6/1.7	1.7/1.2	30	40 ~ 320
2SA1828/2SC4732	FLP	200	200	0.1	1.3	150	30 / 10	2.6/1.7	1.7/1.2	30	60 ~ 320
2SA1829/2SC4733		300	300	0.1	1.3	150	30 / 10	3.1/2.6	2.3/1.8	30	60 ~ 320
2SC4884		300	300	0.1	1.5	70	30 / 10	2.6	1.8	30	60 ~ 320
2SA1352/2SC3416	TO-126	200	200	0.1	1.2	70	30 / 10	2.6/1.7	1.7/1.2	30	40 ~ 320
2SA1353/2SC3417		300	300	0.1	1.2	70	30 / 10	3.1/2.6	2.3/1.8	30	40 ~ 320
2SA1380/2SC3502		200	200	0.1	1.2	150	30 / 10	2.6/1.7	1.7/1.2	30	40 ~ 320
2SA1381/2SC3503		300	300	0.1	1.2	150	30 / 10	3.1/2.6	2.3/1.8	30	40 ~ 320
2SA1478/2SC3788	TO-126ML	200	200	0.1	1.3	150	30 / 10	2.6/1.7	1.7/1.2	30	40 ~ 320
2SA1479/2SC3789		300	300	0.1	1.5	70	30 / 10	3.1/2.6	2.3/1.8	30	40 ~ 320
2SA1480/2SC3790		300	300	0.1	1.5	150	30 / 10	3.1/2.6	2.3/1.8	30	40 ~ 320
2SC4217		300	300	0.2	1.5	70	10 / 10	3.5	-	50	40 ~ 200
2SC4378		300	300	0.2	1.5	100	30 / 10	3.9	3.2	30	60 ~ 320
2SC4188	TO-220	200	200	0.1	※10	150	30 / 10	1.8	1.3	30	40 ~ 320

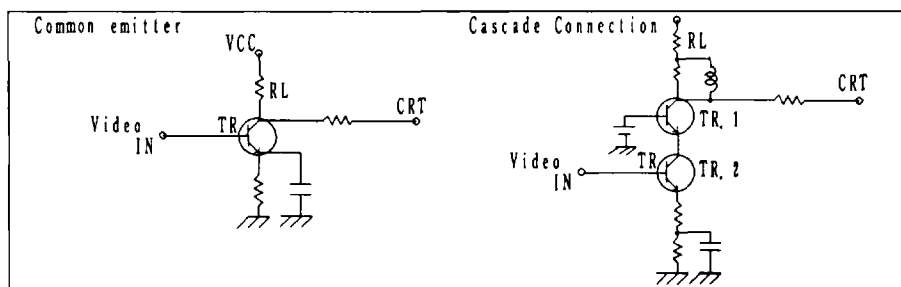
\* Classification by h<sub>FE</sub>

2SB1037/2SD1459 (70 ~ 200)

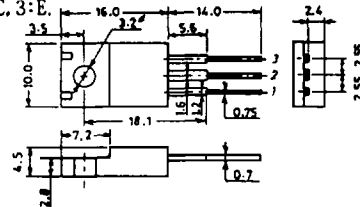
40	C	80	60	D	120	100	E	200	160	F	320
(CP type)											
			60	3	120	90	4	180	135	5	270

70	Q	140	100	R	200
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\* Equivalent Circuit for Video Output Use



SANYO:TO-220ML 1:B, 2:C, 3:E



These specifications are subject to change without notice.