SANYO

Micaless (TO-3PML Package) Power Transistors

SANYO SEMICONDUCTOR CORP

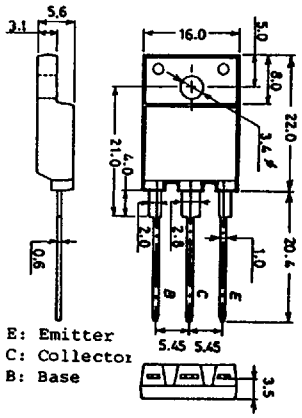
Features

- *Less cost and man-hour because of no insulator required for mounting
- *High-density mounting available because of plastic-covered heat sink of device
- *More collector dissipation available when a device alone is used
- *Easy to be replaced with TO-3PB because the packages are based on the package dimensions heretofore in use

1. Color TV Horizontal Deflection Output Use (Pc※:Tc=25℃)

Type No. ☆:With damper diode	Absolute Maximum Ratings/Ta=25℃				Electrical Characteristics/Ta=25℃							Related Type No. ☆:With damper diode
	V_{CBO} (V)	V_{CEO} (V)	I_C (A)	P_C※ (W)	V_{CE} (V)	I_C (A)	h_{FE} min	I_C (A)	I_B (A)	$V_{CE(sat)}$ (V) max	t_f max (μs)	
2SD1649☆	1500	800	2.5	50	5	0.5	8	2	0.6	8	0.4	-
2SD1650☆			3.5	50		0.5		2.5	0.8	8	0.4	2SD1397☆
2SD1651☆			5.0	60		1		4	0.8	5	0.4	2SD1398☆
2SD1652☆			6.0	60		1		5	1	5	0.4	2SD1399☆
2SD1711☆			5.0	50		0.5		4.5	2	5	0.5	-
2SD1654			3.5	50		0.5		2.5	0.8	8	0.4	-
2SD1655			5.0	60		1		4	0.8	5	0.4	2SD1402
2SD1656			6.0	60		1		4	1	5	0.4	2SD1403
2SD1710			5.0	50		0.5		4.5	2	5	0.5	2SD1677

Case Outline (unit:mm)
SANYO:TO-3PML



E: Emitter
C: Collector
B: Base

2. High-Definition CRT Display Use (Pc※:Tc=25℃)

Type No. (*:MBIT) ☆:With damper diode	Absolute Maximum Ratings/Ta=25℃				Electrical Characteristics/Ta=25℃							Related Type No. (*:MBIT)
	V_{CBO} (V)	V_{CEO} (V)	I_C (A)	P_C※ (W)	V_{CE} (V)	I_C (A)	h_{FE} min	I_C (A)	I_B (A)	$V_{CE(sat)}$ (V) max	t_f max (μs)	
*2SC3894	1500	800	6	60	5	1	8	4	1	5	0.2	2SC3685*
*2SC3895			7	60				5	1.2			2SC3686*
*2SC3896			8	70				6	1.5			2SC3687*
*2SC3897			10	70				8	2			2SC3688*
*2SC4123☆			7	60				5	1.2			-
*2SC4124☆			8	70				6	1.5			-
*2SC4125☆			10	70				8	2			-
*2SC4890			12	75				10	2.5			2SC3995*
*2SC4891			15	75				12	3			2SC3996*
*2SC4923			8	70				6	1.5			2SC3896*
*2SC4924			10	70				8	2			2SC3897*

3. High-voltage (VCBO=1600V) Very High-Definition CRT Display Use

*2SC5041☆	1600	800	7	60	5	1	10 ~ 20	5	1.25	5	0.2	2SC4123*
*2SC5042			7	60			15 ~ 25	5	1.25			2SC3895*
*2SC5043☆			10	70			10 ~ 20	8	2			2SC4125*
*2SC5044			10	70			15 ~ 25	8	2			2SC3897*
*2SC5045			15	75			15 ~ 25	12	3			2SC4891*

In addition to these, the TV display horizontal deflection-use (CTV, high performance) transistor series placed in the TO-3PML package are available. see the table of transistors for video applications.

These specifications are subject to change without notice.