

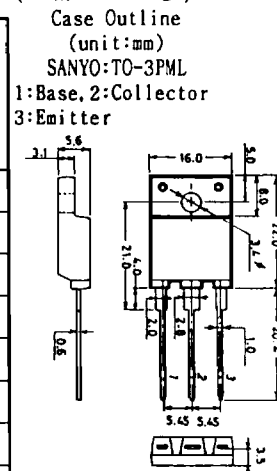
## Micaless (TO-3PML Package) Power Transistors

### 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°C)

Type No. ☆:With damper diode	Absolute Maximum Ratings/Ta=25°C				Electrical Characteristics/Ta=25°C							Related Type No. ☆:With damper diode
	V <sub>CBO</sub> (V)	V <sub>CEO</sub> (V)	I <sub>C</sub> (A)	P <sub>C</sub> * (W)	V <sub>CE</sub> (V)	I <sub>C</sub> (A)	h <sub>FE</sub> min	I <sub>C</sub> (A)	I <sub>B</sub> (A)	V <sub>CE(sat)</sub> (V) max	t <sub>f</sub> max (μs)	
2SD1649☆	1500	800	2.5	50	5	0.5	8	2	0.6	8	0.4	-
2SD1650☆			3.5	50				2.5	0.8	8	0.4	2SD1397☆
2SD1651☆			5.0	60				4	0.8	5	0.4	2SD1398☆
2SD1652☆			6.0	60				5	1	5	0.4	2SD1399☆
2SD1711☆			5.0	50				4.5	2	5	0.5	-
2SD1654			3.5	50				2.5	0.8	8	0.4	-
2SD1655			5.0	60				4	0.8	5	0.4	2SD1402
2SD1656			6.0	60				4	1	5	0.4	2SD1403
2SD1710			5.0	50				4.5	2	5	0.5	2SD1677



### 2. High-Definition CRT Display Use (Pc\*: Tc=25°C)

Type No. (*:MBIT) ☆:With damper diode	Absolute Maximum Ratings/Ta=25°C				Electrical Characteristics/Ta=25°C							Related Type No. (*:MBIT)
	V <sub>CBO</sub> (V)	V <sub>CEO</sub> (V)	I <sub>C</sub> (A)	P <sub>C</sub> * (W)	V <sub>CE</sub> (V)	I <sub>C</sub> (A)	h <sub>FE</sub> min	I <sub>C</sub> (A)	I <sub>B</sub> (A)	V <sub>CE(sat)</sub> (V) max	t <sub>f</sub> 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 (V<sub>CBO</sub>=1600V) Very High-Definition CRT Display Use

*2SC5041☆	1600	800	7	60	5	1	10 ~ 20	5	1.25	5	0.2	2SC4128*
*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.