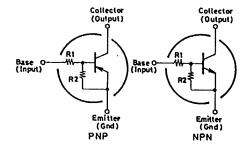
ANYO SEMICONDUC	TOR CORP	22E D 🖿 7997	076 0007328 E	
2SA1344,			T-37-1	
2503308			T-35-	$\mathbb{R}$
2000000	and a set	P	NP/NPN Epitaxial Pla	nar
	201	18A	NP/NPN Epitaxial Pla Silicon Transis	tors
		Switching /	Applicatio	<u>ne</u>
)1286C	🤺 (with Bia	as Resistances R1=		
	(		-i ORas, RZ - I Or	~~ <i>~</i> /
pplications				
Switching circuit, inverter	circuit, interface circ	uit, driver circuit.		
eatures				
• Built-in bias resistor (R 1=	10kΩ, Ro=10kΩ),			
<ul> <li>Small-sized package (CP).</li> </ul>				
( ): 2SA1344				
bsolute Maximum Ratings/Ta	=25°C		unit	
Collector to Base Voltage	VCBO	(—)50	V	
Collector to Emitter Voltage		(-)50	v	
Emitter to Base Voltage	VEBO	()10	V	
Collector Current	IC	()100	mÁ	
Peak Collector Current	icp	(-)200	mA	
Collector Dissipation	PC	200	mW	
Junction Temperature	тј	150	°C	
Storage Temperature	Tstg	-55 to +150	°C	
lectrical Characteristics/Ta=25	°C		min typ max	unit
Collector Cutoff Current	ісво	V <sub>CB</sub> =()40V, I <sub>E</sub> =0	min typ max (–)0.1	μA
Collector Cutoff Current	ICEO	VCE=()40V, IB=0	(-)0.5	μA
Emitter Cutoff Current	IEBO	VEB=()5V, IC=0	()170()250()330	μA
DC Current Gain	hFE	V <sub>CE</sub> =()5V, I <sub>C</sub> =()10mA	50	http://www.
Gain Band-width product	fT	V <sub>CE</sub> =()10V, I <sub>C</sub> =()5mA	250 (200)	MHz
Output Capacitance	cop	V <sub>CB</sub> =()10V, f=1MHz	3.5	pF
Collector to Emitter Saturat	ion VCE(sat)	IC=(-)10mA, IB=(-)0.5mA	(5.3) ()0,1 ()0,3	v
Voltage	04(341)		Continued on nex	-
-			Continued as a second	

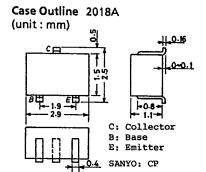
## Marking

- - - - -

2SA1344: EL, 2SC3398: EY

## **Electrical Connection**







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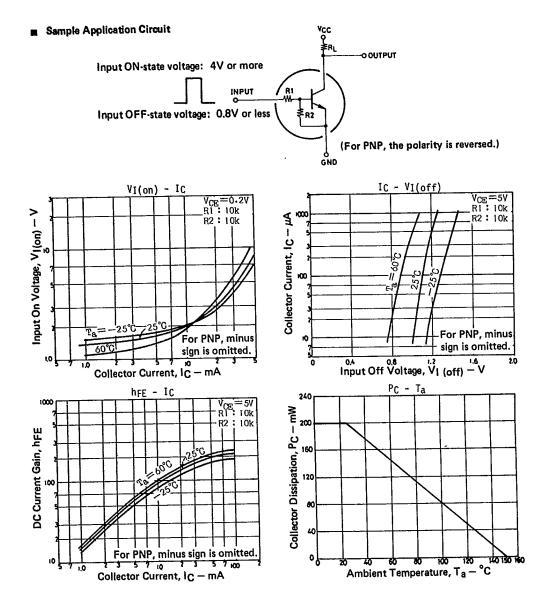
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3207KI/2275MW/4143KI,TS No.1286-1/2

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SANYO SE	MICONDUCTOR	CORP	322	D		7997076	P5E7000	8	
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	25/	T-37-13 - T-35-11			_		
Continued from preceding page.			min	typ	max	unit	
Collector to Base Breakdown	V(BR)CBO	IC=(-)10μΑ, IE=0	(—)50			. <b>V</b>	
Voltage Collector to Emitter Breakdown	V(BR)CEO	lc=(–)100μΑ, R <sub>BE</sub> ₌∞	(—)50			v	
Voltage	VI(off)	V <sub>CE</sub> =()5V, I <sub>C</sub> =()100µA	()0.8 (	-)1.1 (	-)1.5	v	
Input Off Voltage	VI(on)	VCE=(-)0.2V, IC=(-)10mA	(-)1.0 (-)2.0 (-)4.0			V	
Input On Voltage	R1		7.0	10	13	kΩ	
Input Resistance Input Resistance Ratio	R <sub>1</sub> /R <sub>2</sub>		0.9	1,0	1.1	-	



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## SANYO SEMICONDUCTOR CORP 22E D 🔳 75

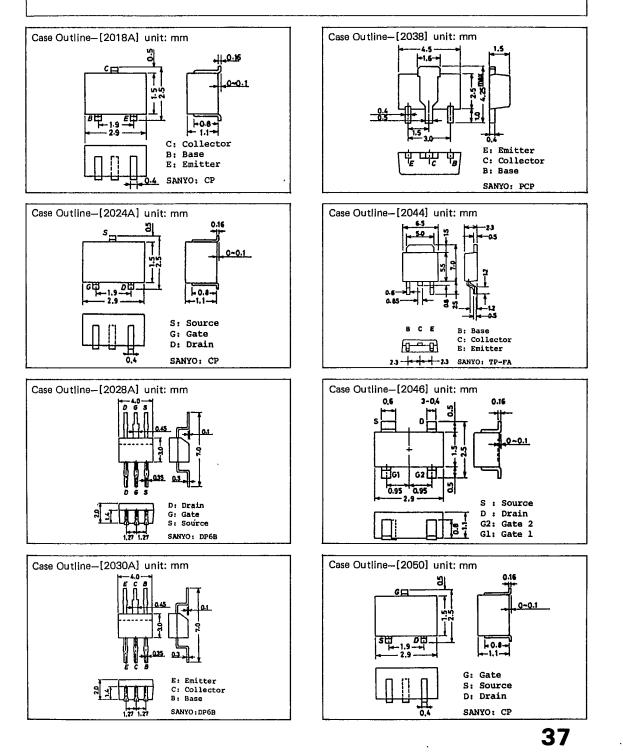
🖬 7997076 0006784 5 📰

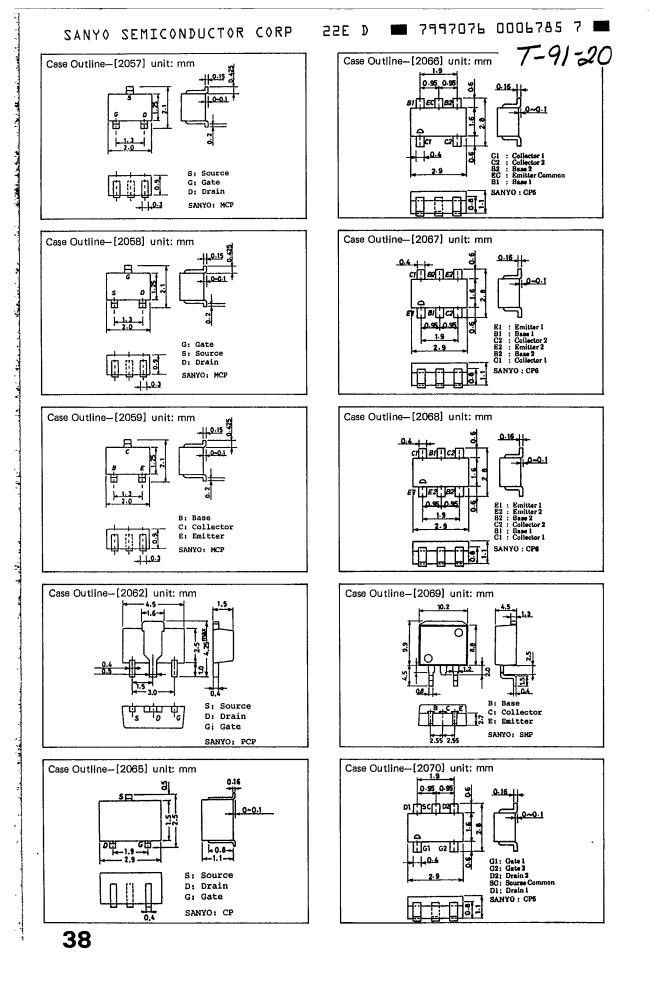
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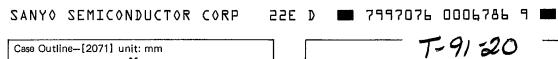
T-91.20

## CASE OUTLINES OF SURFACE MOUNT TRANSISTORS

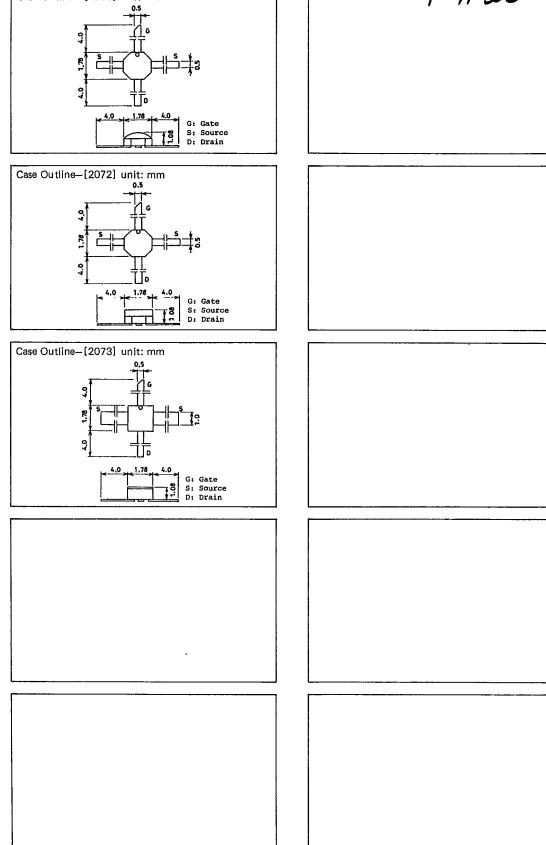
- •All of Sanyo surface mount transistor case outlines are illustrated below.
- ●All dimensions are in mm, and dimensions which are not followed by min.
  - or max. are represented by typical values.
  - •No marking is indicated.







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