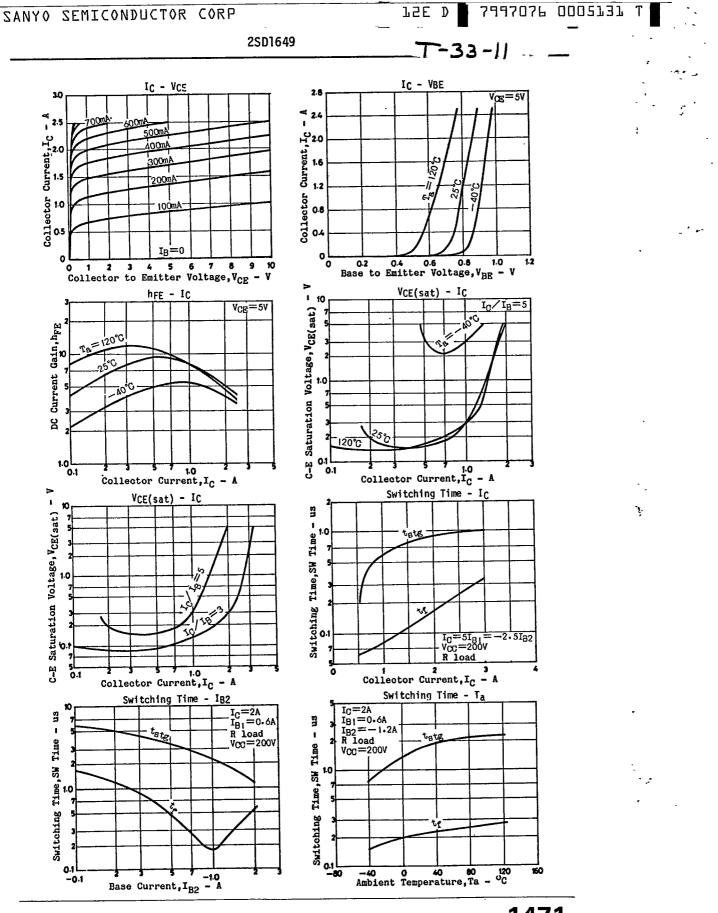
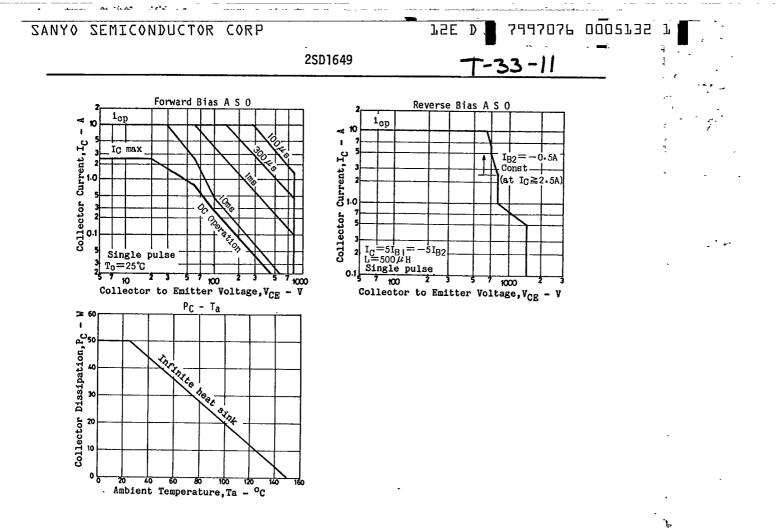
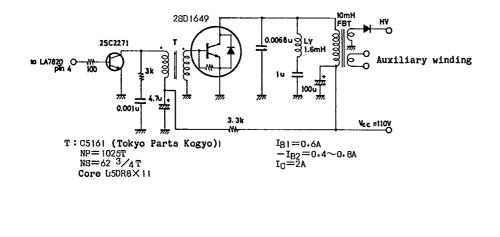
YO SEMICONDUCTOR CO	RP		LZE D 7997076 00]05130
2SD1649			T-33-	າເ
	20		NPN Triple Diffused Planar Silicon Transistor	
	Color T	V Horizontal	Deflection Output	
©1755B		Applications(with Damper Diode)	
Applications . High-voltage, power su	vitching	••		
Features Fast speed (t _f max=0.4u High reliability (Adop High breakdown voltage Micaless package facil	otion of H (V _{CBO} =15	00V).		
Absolute Maximum Ratings a Collector to Base Voltage Collector to Emitter Vol Emitter to Base Voltage Collector Current Peak Collector Current Collector Dissipation Junction Temperature Storage Temperature	se V _{CB}	0 0 0 T _C =25 ⁰ C	unit 1500 V 800 V 6 V 2.5 A 10 A 50 W 150 ^O C -55 to +150 ^O C	
Electrical Characteristics Collector Cutoff Current Emitter Cutoff Current DC Current Gain Gain Bandwidth Product Collector to Emitter Saturation Voltage Base to Emitter	, I _{CBO} I _{EBO} h _{FE} f _T V _{CE(sat)}	V _{CB} =800V,I _E =0 V _{EB} =4V,I _C =0 V _{CE} =5V,I _C =0.5A V _{CE} =10V,I _C =0.5A	min typ max uni 10 uk 40 130 mk 8 3 MHz 8 V 8 V	4 1 7
Saturation Voltage Collector to Base Breakdown Voltage Collector to Emitter		I _C =5mA,I _E =0	1500 V	
Breakdown Voltage Emitter to Base Breakdown Voltage		I_{C} =100mA, R_{BE} = ∞ I_{E} =200mA, I_{C} =0	800 V 7 V	· ·
Diode Forward Voltage Fall Time	V _F t _f	$I_{EC}=2.5A$ $I_{C}=2A, I_{B1}=0.6A,$ $I_{B2}=-1.2A, V_{CC}=200W$ $R_{L}=1000hm$	2 V 0.4 us	
Switching Time Test Circui PW=20us.0uty≤1% 0UTPUT	Case	R _L =1000nm Outline 2039 <u>80</u> t:nm) <u>50 - 1</u>	- 22.0	
			E: Emitt C: Colle C:	ctor
		5277K	C/D244KI,TS No.1755-1/3	





Sample Application Circuit



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SANYO SEMICONDUCTOR CORP

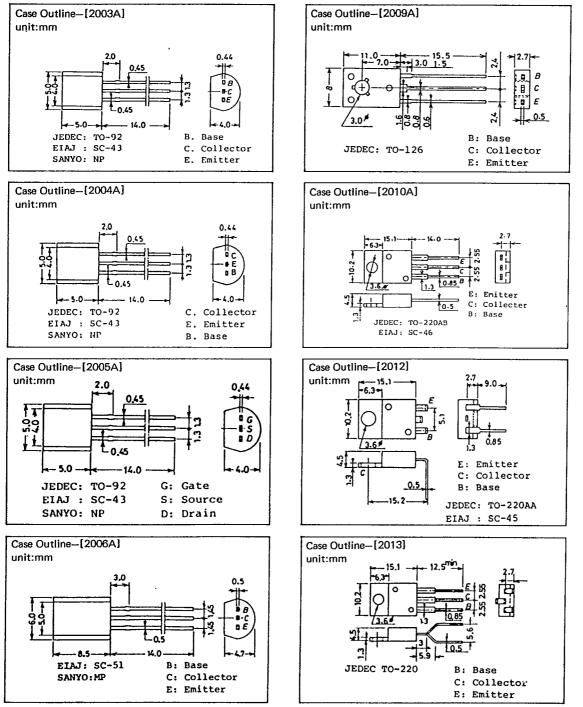
75E D 24.

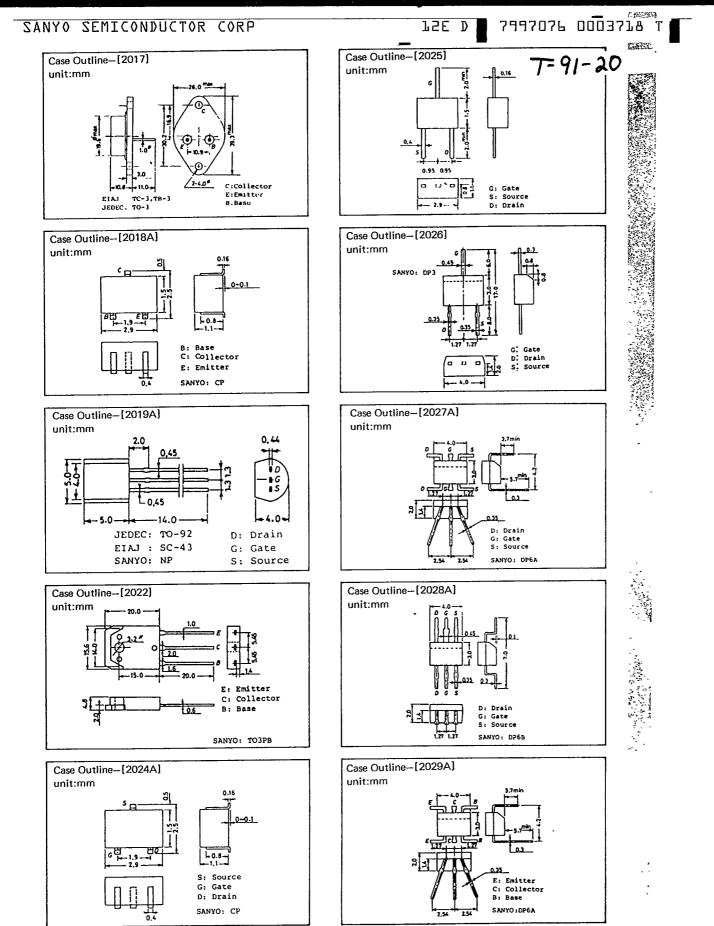
7997076 0003717 8

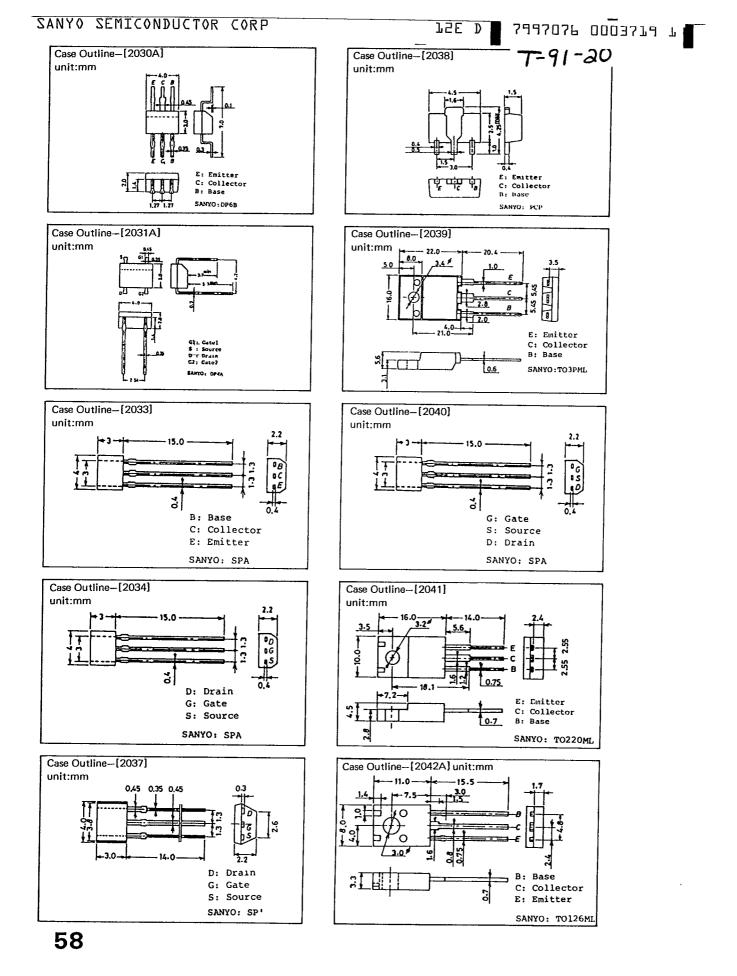
T-91-20

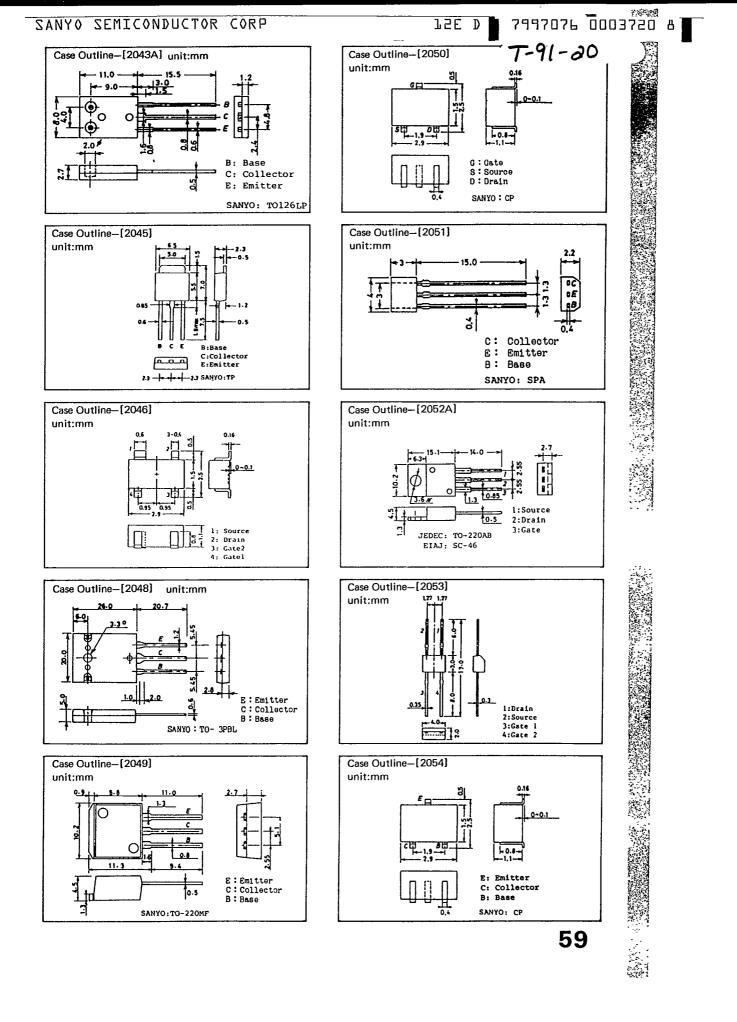
CASE OUTLINES AND ATTACHMENTS

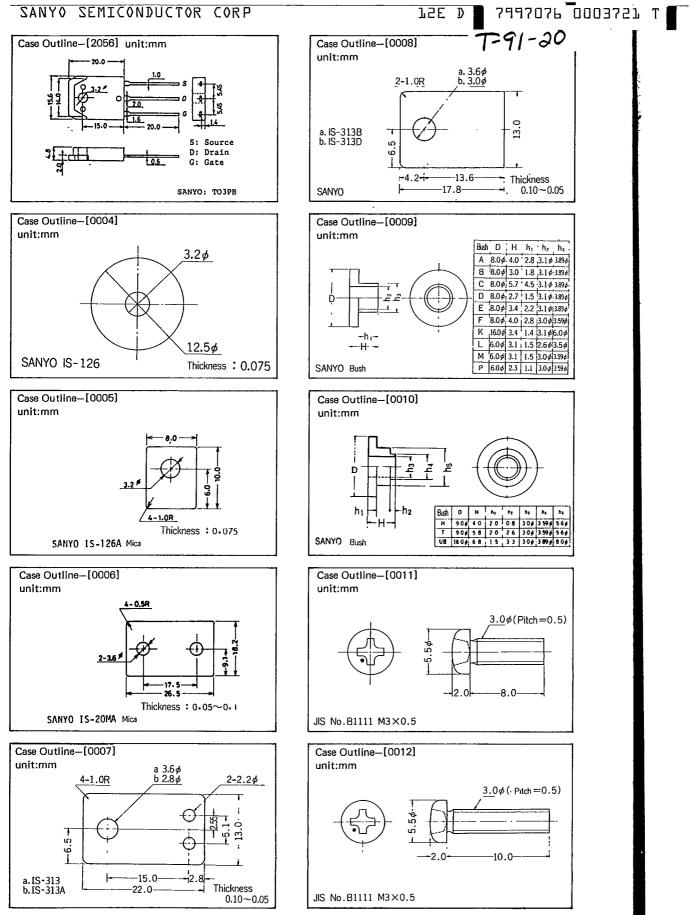
- •All of Sanyo Transistor case outlines are illustrated below.
- •All dimensions are in mm, and dimensions which are not followed by min. or max. are represented by typical values.
- •No marking is indicated.



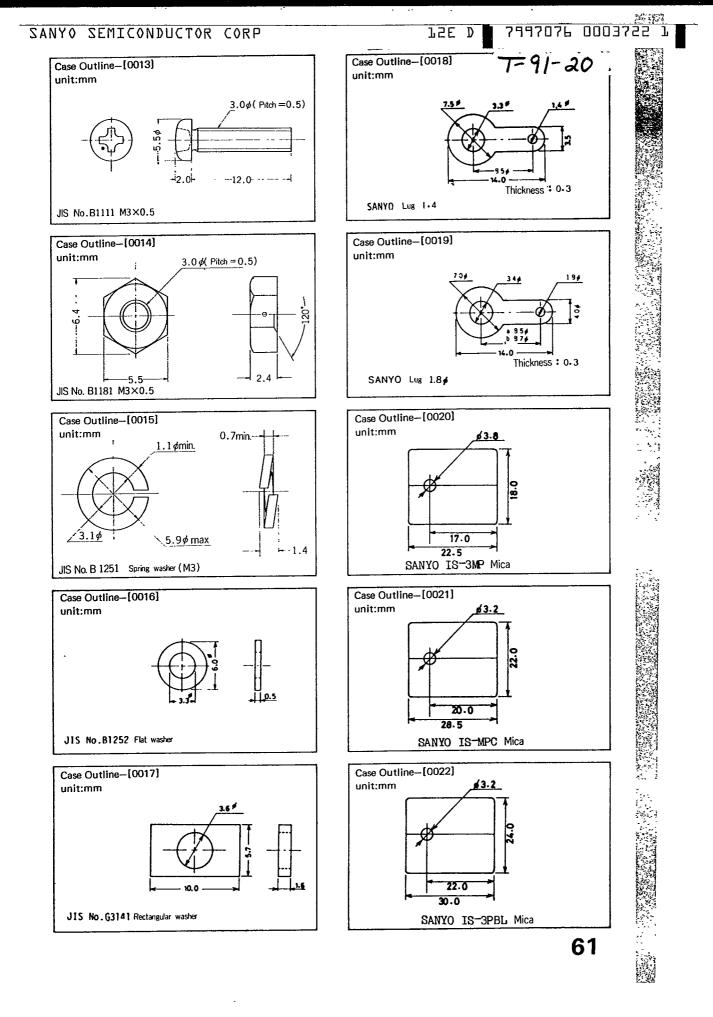












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