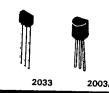
2SC930



T-31-15 T-31-17

NPN Epitaxial Planar Silicon Transistor

AM Converter, FM RF · IF Amp Applications

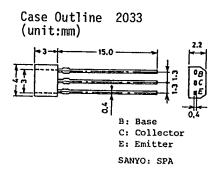
The 2SC930 has two types of packge: SPA and NP. Use

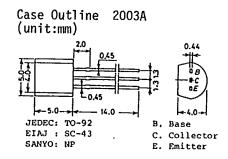
· FM RF amp, mixer, OSC, converter, and IF amplifier

	orcer,	and it amplifier.		
Absolute Maximum Ratings at Ta=	=25°C	2SC930SPA 2SC93		unit
Collector to Base Voltage	v_{CBO}	30	30	V
Collector to Emitter Voltage	v_{CEO}	20	20	V
Emitter to Base Voltage	v_{EBO}	5	5	v
Collector Current	IC	30	30	mA
Collector Dissipation	$P_{\mathbf{C}}$	120	250	
Junction Temperature	Тj	125	125	mW °C
Storage Temperature	Tstg	-40 to +125 -55 to		°C
Electrical Characteristics at T		33 60	1145	-0
Collector Cutoff Current Emitter Cutoff Current DC Current Gain Gain Bandwidth Product Reverse Transfer capacitance			min typ	p max unit
	ICBO	$V_{CB}=10V,I_{E}=0$		1 uA
	I_{EBO}	$V_{EB}=4V,I_{C}=0$		1 uA
	${ m h_{FE}}$	v _{CE} =6v, i _C =1mA	40* 80	
	fŢ	V _{CE} =6V, I _C =1mA	170 300) MHz
	c_{re}	V _{CB} =6V, I _C =1MHz (2SC930S	SPA10.8	1.6 pF
Base to Collector Time Constant Noise Figure		V _{CB} =6V, f=1MHz (2SC930		-
	rbb'cc	V _{CE} =6V, I _C =1mA	20	I
		f=31.9MHz		, 30 PD
	NF	VCE=6V,IC=lmA	4.0) dB
		f=100MHz	4.0	db d
Turn-on Time	t_{on}	V _{IN} =+12V, V _{BB} =-3V,	30	
Turn-off Time		appointed circuit	30	ns
	toff	$V_{IN}=-12V$, $V_{BB}=+3V$,	30	
	J11	appointed circuit	. 30	ns
		-EE		

*The 2SC930 is graded as follows by $lmA\ h_{FE}$:

40	C	80	60	D	120	100	E	200	160	F	320





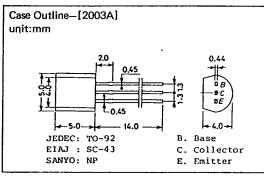
The 2SC930 is scheduled to be discontinued soon. Use the 2SC2839, instead of the 2SC930, in new applications where you are planning to use the 2SC930.

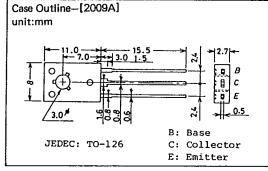
4157KI/D054MW/4263KI/4092KI,MT No.545-1/17

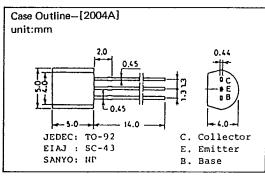
480

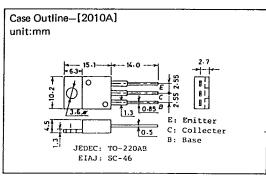
CASE OUTLINES AND ATTACHMENTS

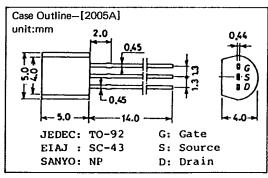
- •All of Sanyo Transistor case outlines are illustrated below.
- All dimensions are in mm, and dimensions which are not followed by min. or max. are represented by typical values.
- ●No marking is indicated.

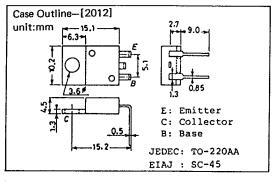


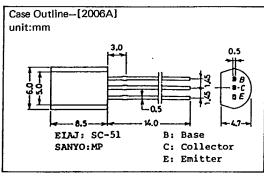


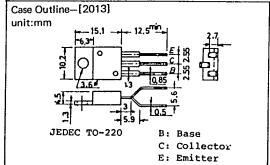


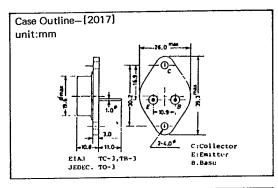


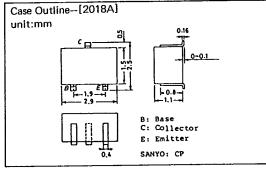


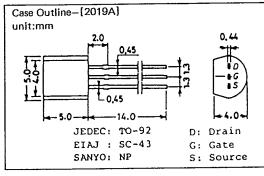


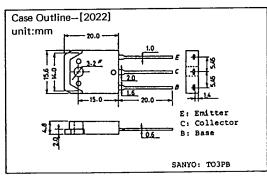


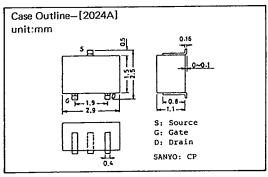


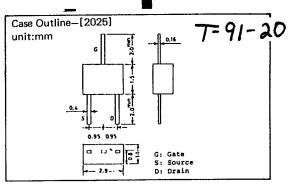


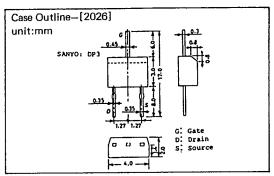


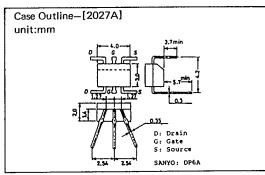


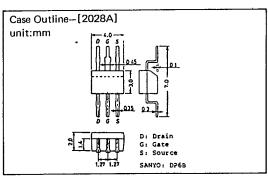


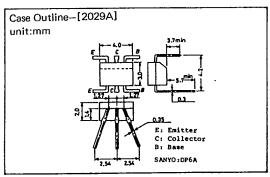


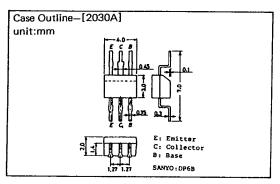


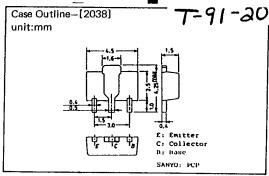


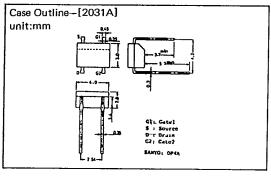


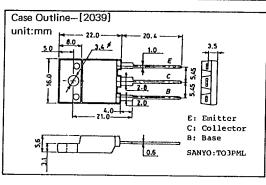


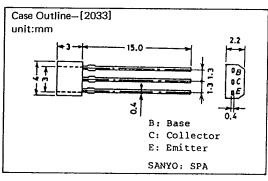


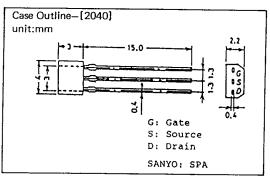


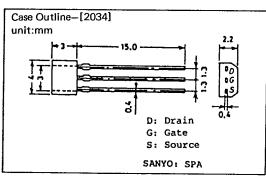


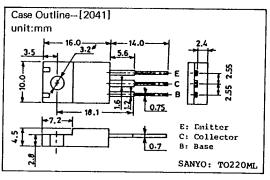


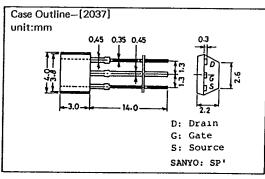


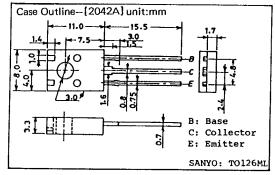


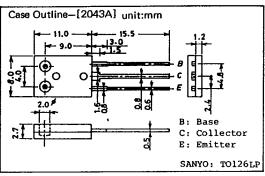


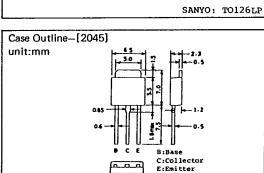


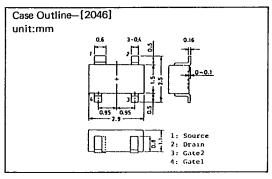


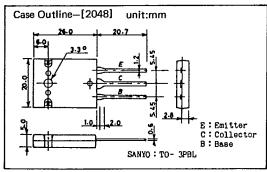


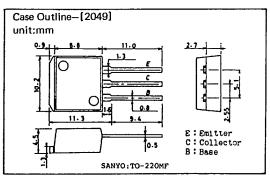


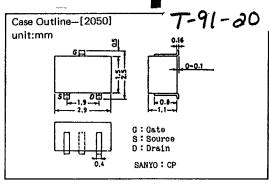


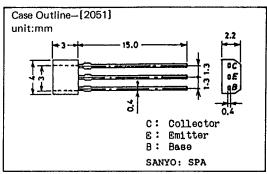


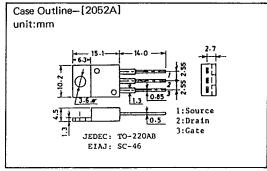


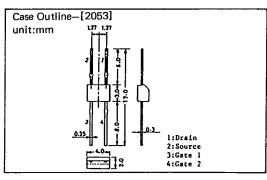


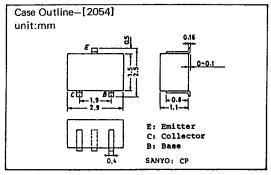


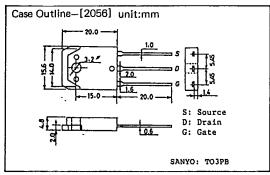


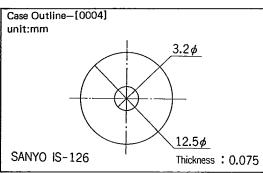


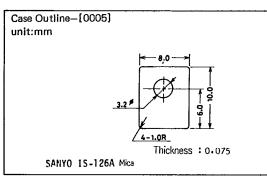


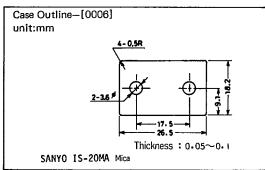


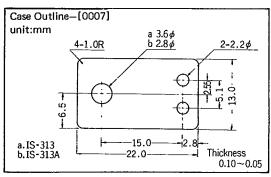


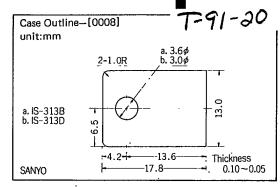


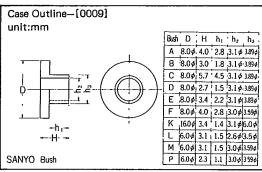


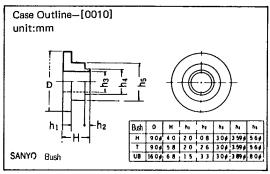


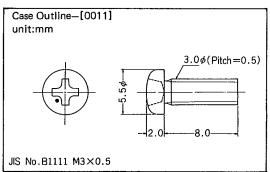


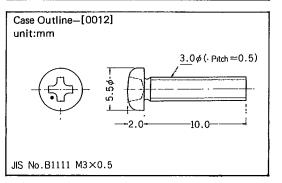




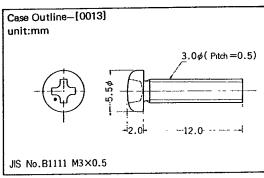


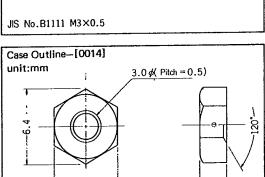


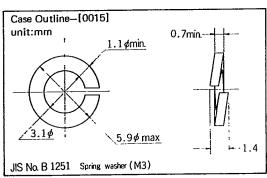




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