unit

PNP Epitaxial Planar Silicon Transistor

 $\begin{array}{c} High\ h_{FE},\ Low\mbox{-}Frequency\\ General\mbox{-}Purpose\ Amp\ Applications \end{array}$

Applications

. Voltage regulators, relay drivers, lamp drivers, electrical equipment

Features

- . Adoption of MBIT process
- . High DC current gain ($h_{\rm FE}$ =500 to 1200)
- . Large current capacity
- . Low collector-to-emitter saturation voltage ($V_{CE(sat)} \le 0.5V$ max) . High $V_{EBO} = 15V$)

Absolute Maximum Ratings at Ta	ι=25 ⁰ C			unit	
Collector to Base Voltage	V _{CBO}		-30	V	
Collector to Emitter Voltage	V _{CEO}		-25	V	
Emitter to Base Voltage	VEBO		-15	V	
Collector Current	IC		-1.2	A	
Collector Current(Pulse)	I_{CP}		-2	A	
Collector Dissipation	Pc		1	W	
Junction Temperature	Τj		150	٥Ĉ	
Storage Temperature	Tstg	- 55	to 150	o _C	
Electrical Characteristics at	Ta=25 ^O C		min	typ m	ax
Collector Cutoff Current	ICBO	V _{CB} =-20V,I _E =0	,	• •	-1
Emitter Cutoff Current	I _{EBO}	V _{EB} =-10V,I _C =0			-1
DC Current Gain	hFE(1)	V _{CE} =-5V, I _C =-100mA	500	800 12	•
	hFE(2)	$V_{CE}=-5V, I_{C}=-10mA$	350		
Gain-Bandwidth Product	$\mathbf{f}_{\mathbf{T}}^{\mathbf{r}_{\mathbf{E}}(\mathbf{Z})}$	$V_{CE} = -10V$, $I_{C} = -50mA$.	130	

-1 μA
200
MHz
рF
).5 V
1.1
v
•
v
•
· v
•
v
. V
(

Case Outline 2006A

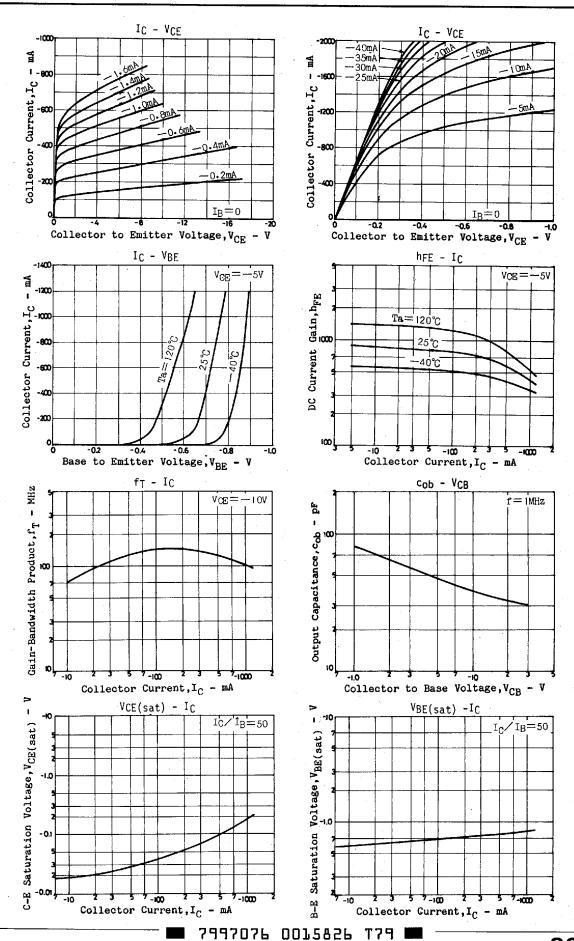
(unit:mm) EIAJ: SC-51 B: Base SANYO: MP C: Collector E: Emitter

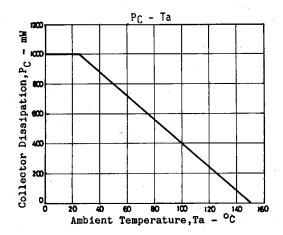
Specifications and information herein are subject to change without notice.

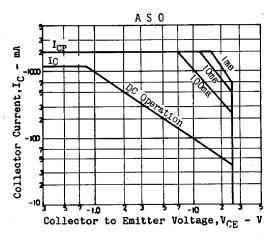
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CASE OUTLINES OF LEAD FORMED SMALL SIGNAL TRANSISTORS

- All of Sanyo lead formed small signal 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.

