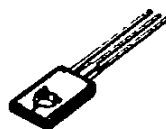


2SC2621



2009A

NPN Triple Diffused Planar
Silicon Transistor

Color TV Chroma Output Applications

©675A

Absolute Maximum Ratings at $T_a=25^{\circ}\text{C}$

Collector to Base Voltage	V_{CB0}	300	V	
Collector to Emitter Voltage	V_{CE0}	300	V	
Emitter to Base Voltage	V_{EB0}	6.5	V	
Collector Current	I_C	200	mA	
Peak Collector Current	i_{cp}	700	mA	
Collector Dissipation	P_C	1.2	W	
		$T_C=25^{\circ}\text{C}$	10	W
Junction Temperature	T_j	150	$^{\circ}\text{C}$	
Storage Temperature	T_{stg}	-55 to +150	$^{\circ}\text{C}$	

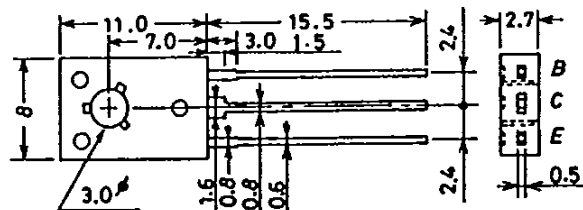
Electrical Characteristics at $T_a=25^{\circ}\text{C}$

			min	typ	max	unit
Collector Cutoff Current	I_{CB0}	$V_{CB}=200\text{V}, I_E=0$			1.0	μA
Emitter Cutoff Current	I_{EB0}	$V_{EB}=6\text{V}, I_C=0$			1.0	μA
DC Current Gain	h_{FE}	$V_{CE}=10\text{V}, I_C=10\text{mA}$	40*		200*	
Gain Band-width Product	f_T	$V_{CE}=30\text{V}, I_C=10\text{mA}$	50			MHz
Output Capacitance	c_{ob}	$V_{CB}=50\text{V}, f=1\text{MHz}$			5	pF
C-E Saturation Voltage	$V_{CE(sat)}$	$I_C=20\text{mA}, I_B=2\text{mA}$			0.6	V
B-E Saturation Voltage	$V_{BE(sat)}$	$I_C=20\text{mA}, I_B=2\text{mA}$			1.0	V

*: The 2SC2621 is classified by 10mA h_{FE} as follows :

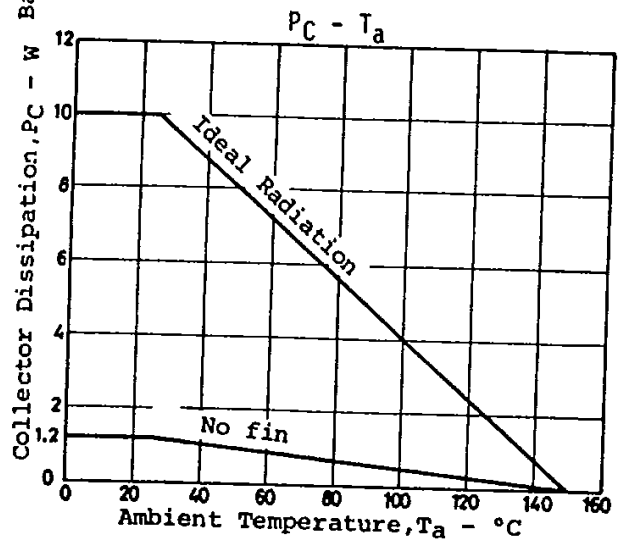
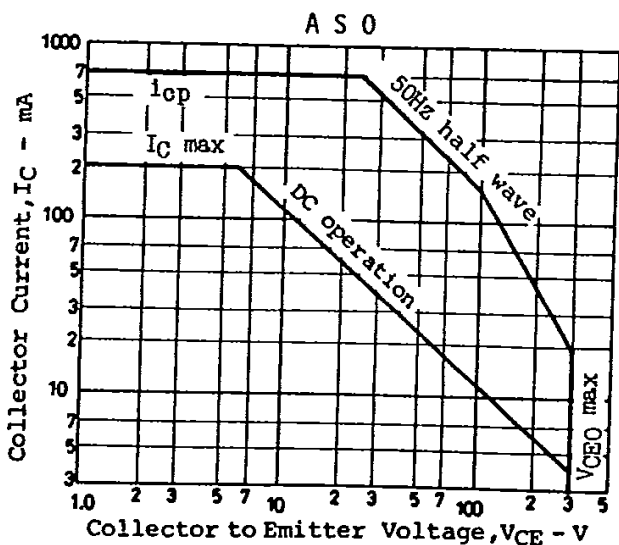
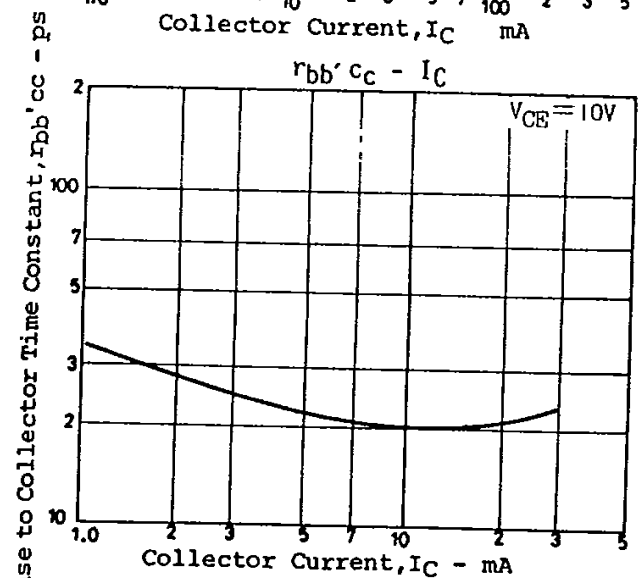
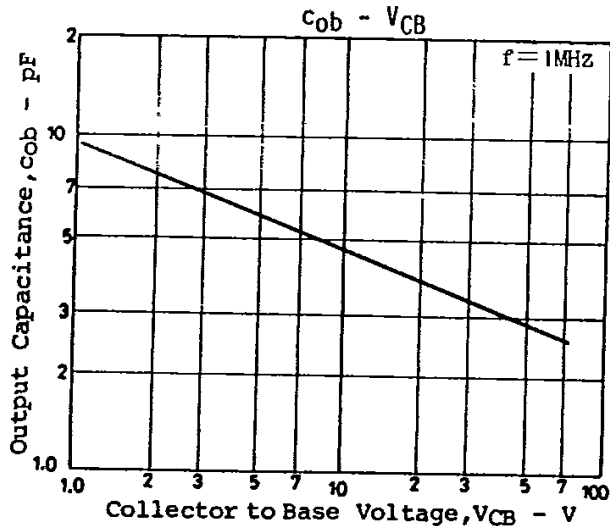
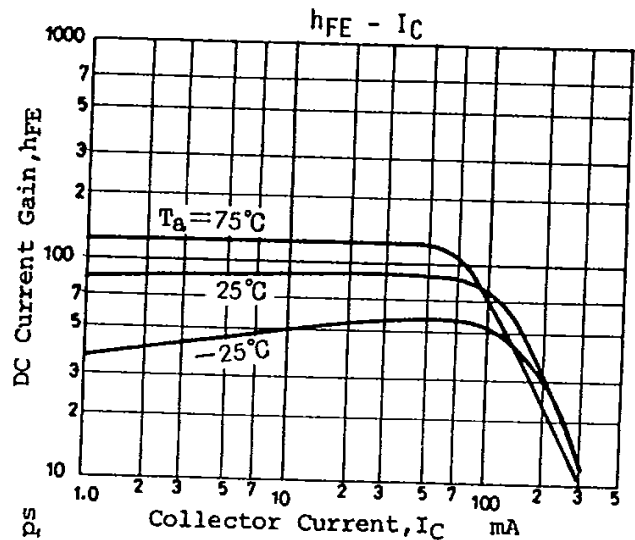
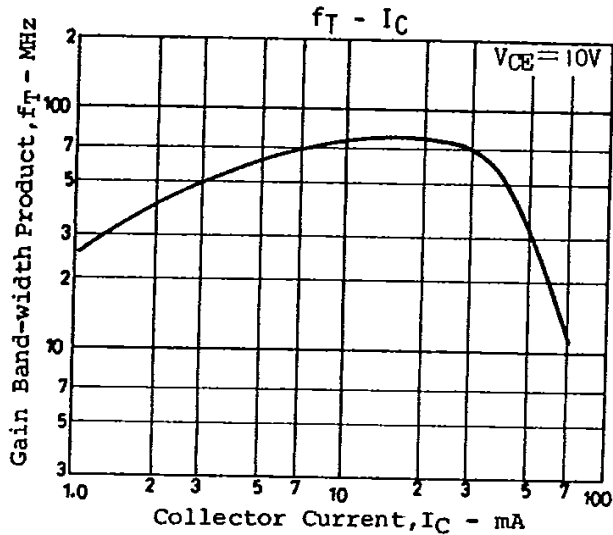
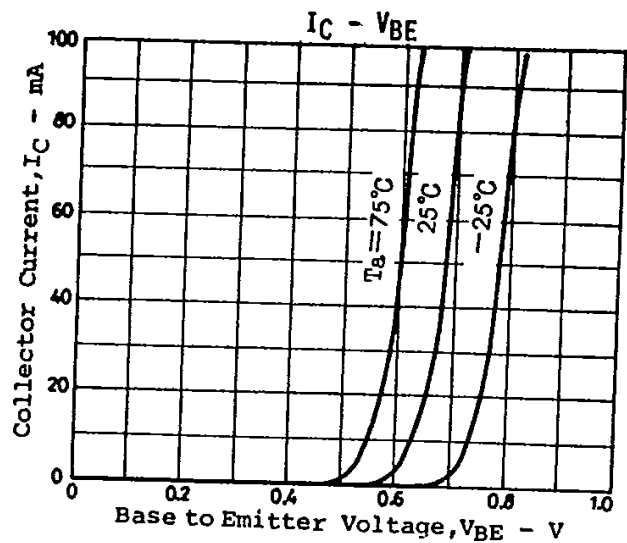
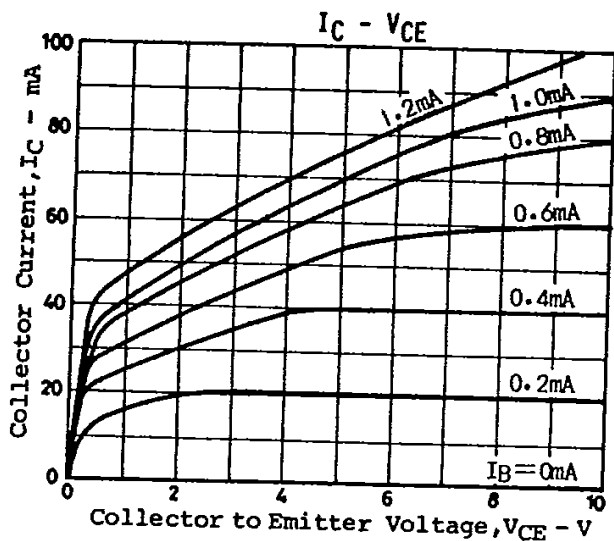
40	C	80	60	D	120	100	E	200
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Case Outline 2009A (unit:mm)



JEDEC: TO-126

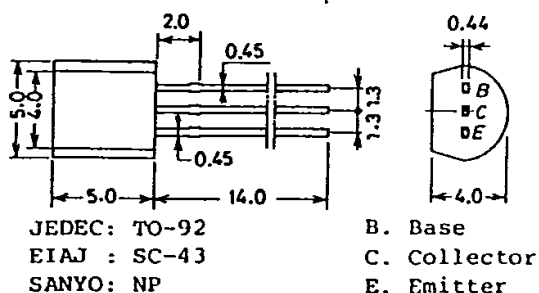
B: Base
C: Collector
E: Emitter



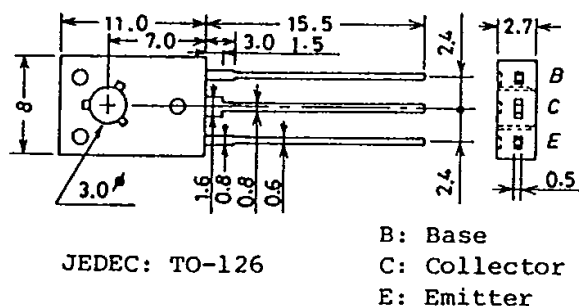
CASE OUTLINES AND ATTACHMENTS

- 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.

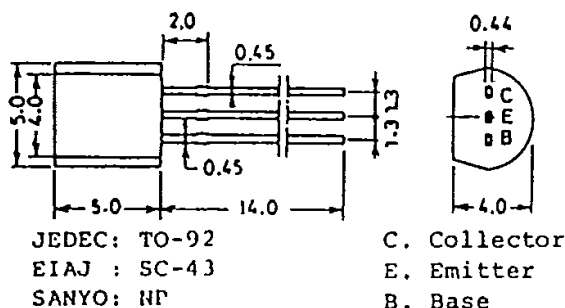
Case Outline—[2003A]
unit:mm



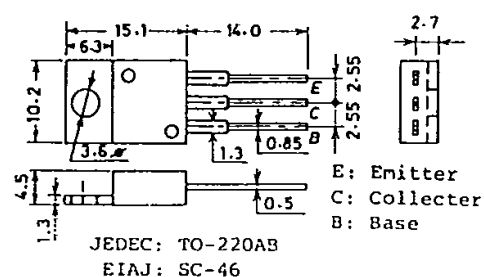
Case Outline—[2009A]
unit:mm



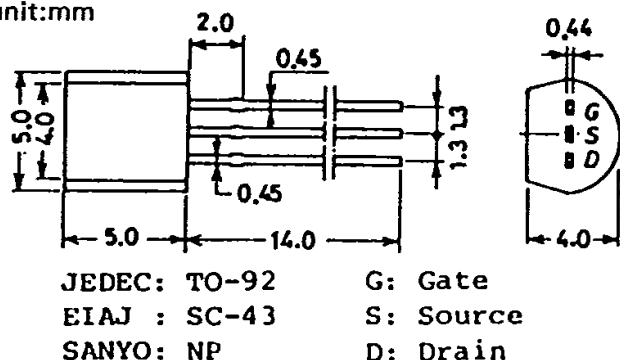
Case Outline—[2004A]
unit:mm



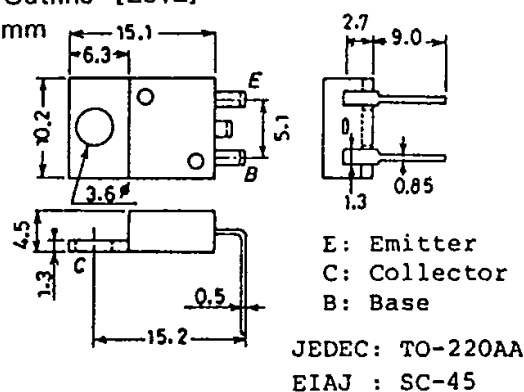
Case Outline—[2010A]
unit:mm



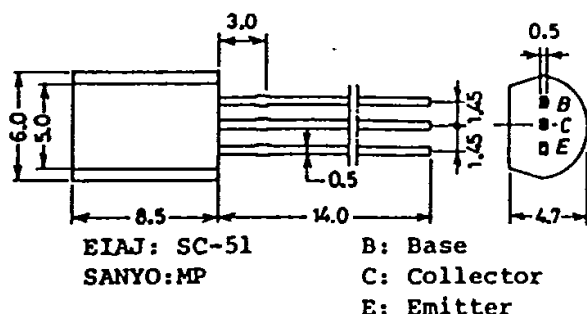
Case Outline—[2005A]
unit:mm



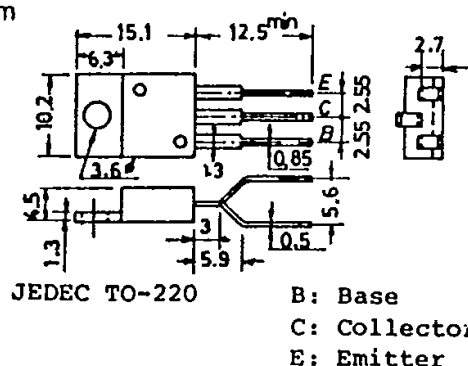
Case Outline—[2012]
unit:mm



Case Outline—[2006A]
unit:mm

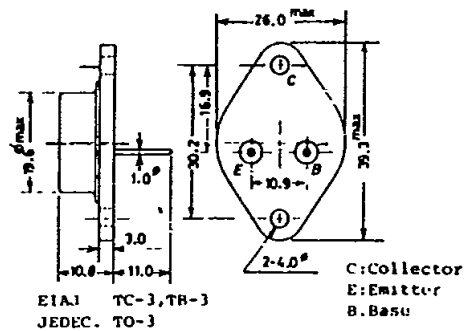


Case Outline—[2013]
unit:mm



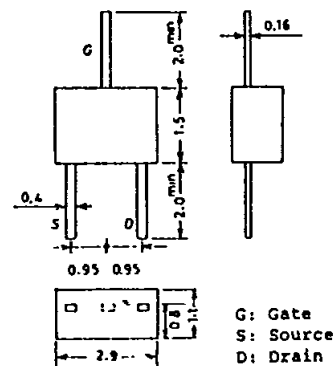
Case Outline-[2017]

unit:mm



Case Outline-[2025]

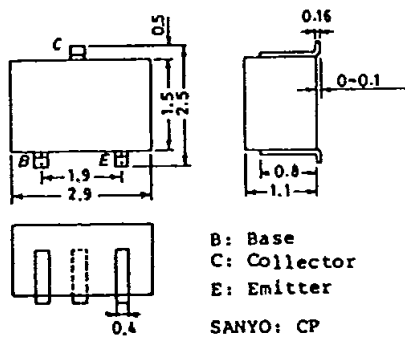
unit:mm



T=91-20

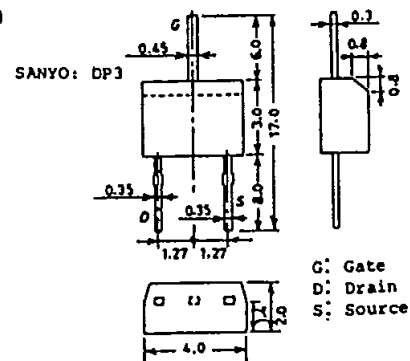
Case Outline-[2018A]

unit:mm



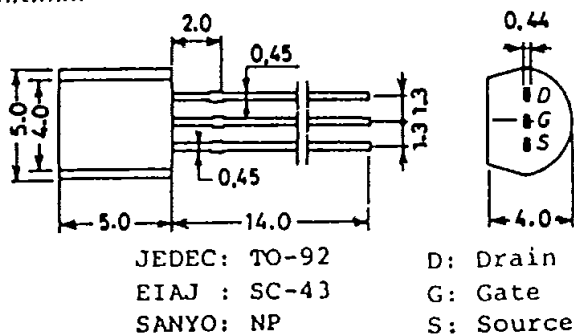
Case Outline-[2026]

unit:mm



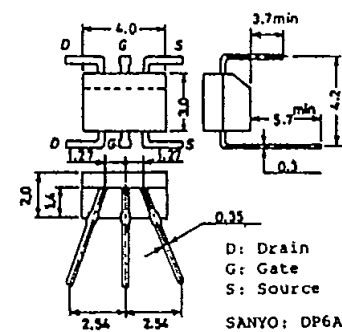
Case Outline-[2019A]

unit:mm



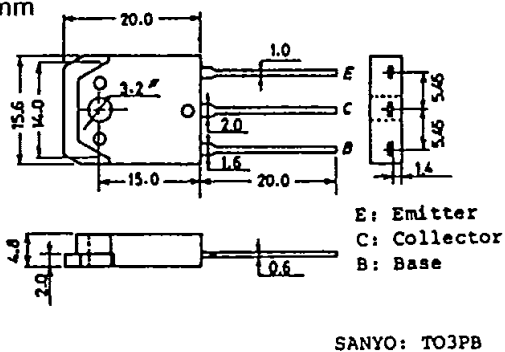
Case Outline-[2027A]

unit:mm



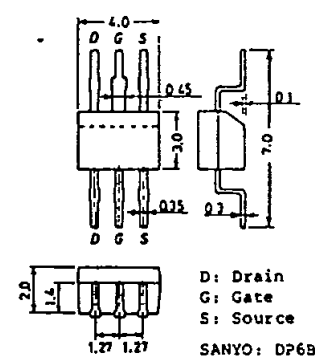
Case Outline-[2022]

unit:mm



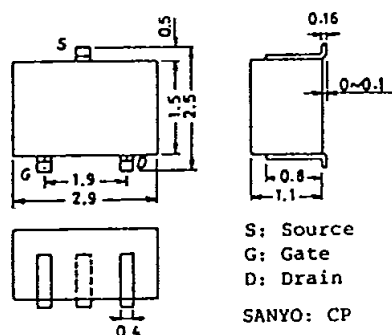
Case Outline-[2028A]

unit:mm



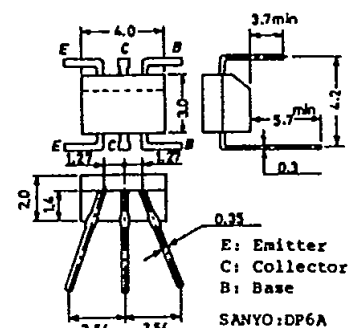
Case Outline-[2024A]

unit:mm



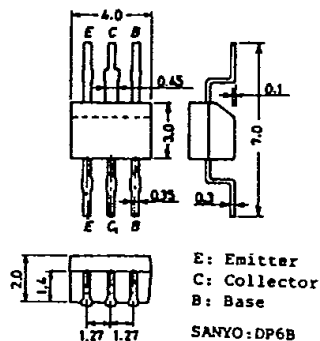
Case Outline-[2029A]

unit:mm



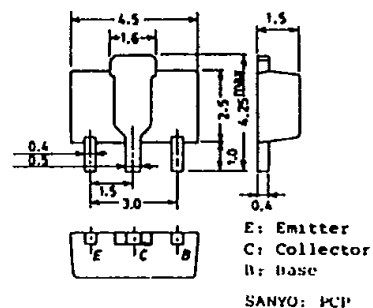
Case Outline—[2030A]

unit:mm



Case Outline—[2038]

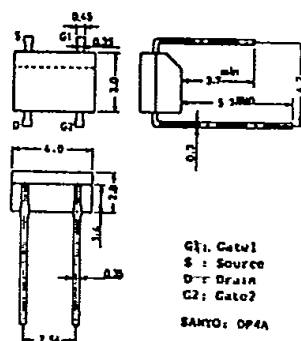
unit:mm



T-91-20

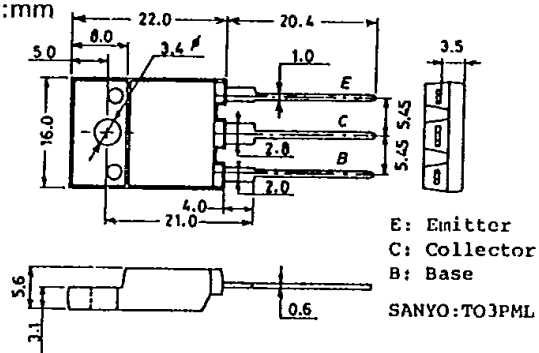
Case Outline—[2031A]

unit:mm



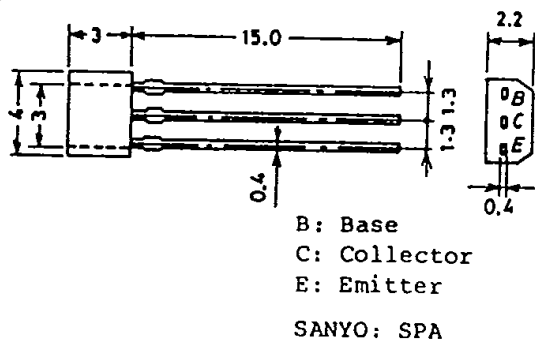
Case Outline—[2039]

unit:mm



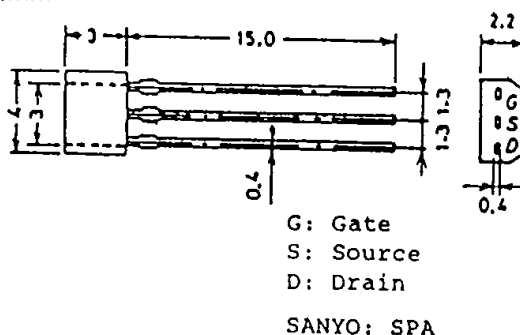
Case Outline—[2033]

unit:mm



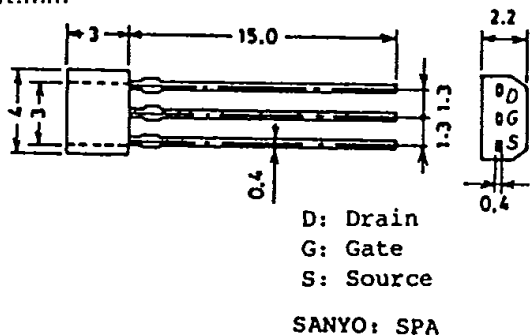
Case Outline—[2040]

unit:mm



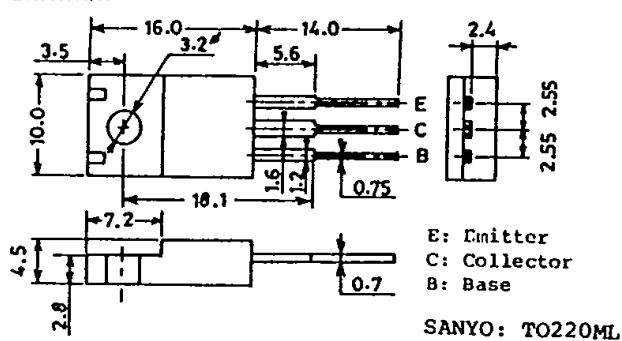
Case Outline—[2034]

unit:mm



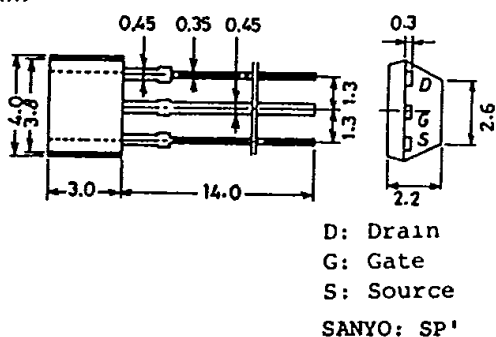
Case Outline—[2041]

unit:mm



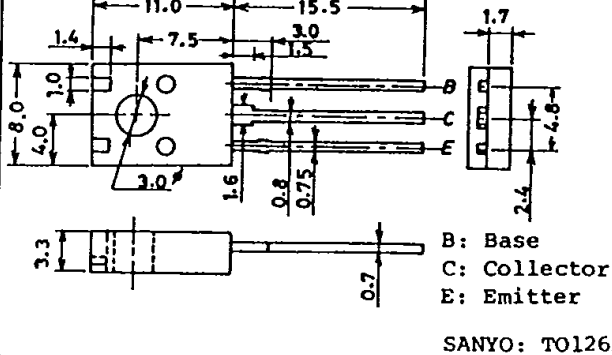
Case Outline—[2037]

unit:mm

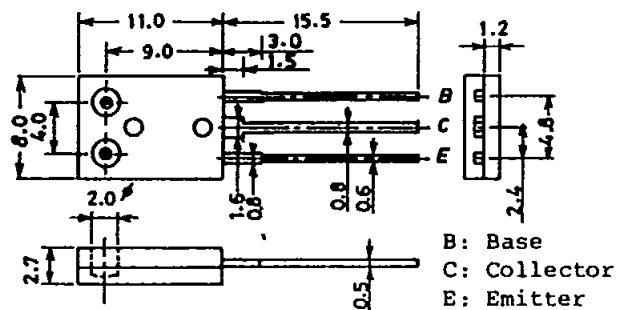


Case Outline—[2042A]

unit:mm



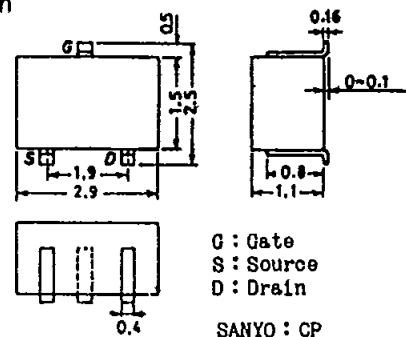
Case Outline—[2043A] unit:mm



SANYO: TO126LP

Case Outline—[2050]

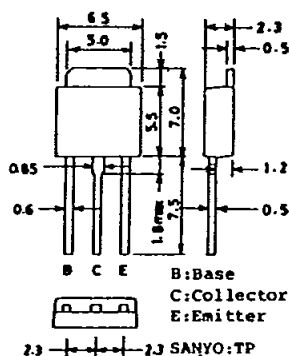
unit:mm



T-91-20

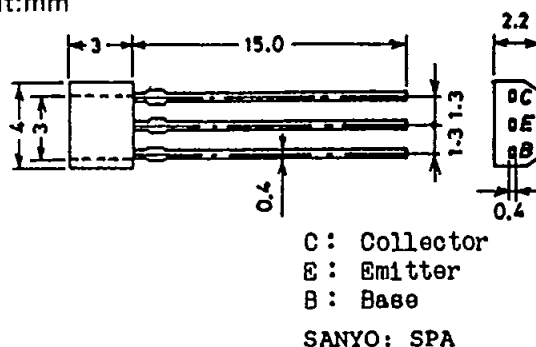
Case Outline—[2045]

unit:mm



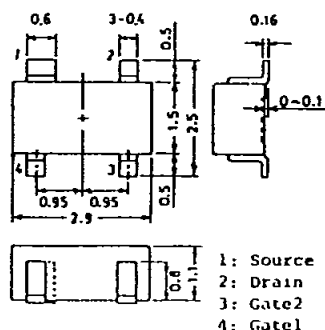
Case Outline—[2051]

unit:mm



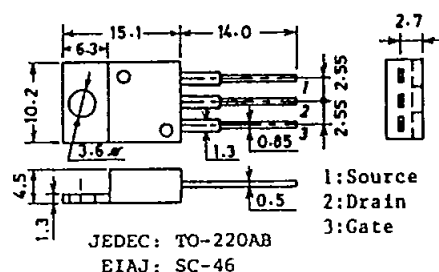
Case Outline—[2046]

unit:mm

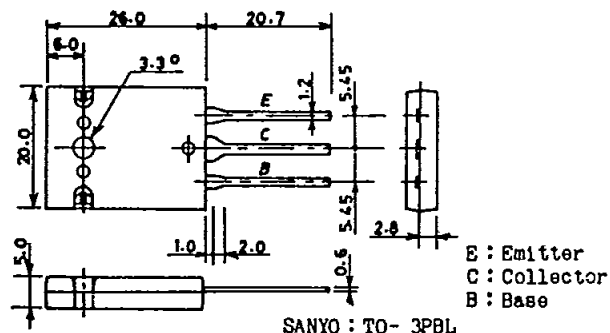


Case Outline—[2052A]

unit:mm

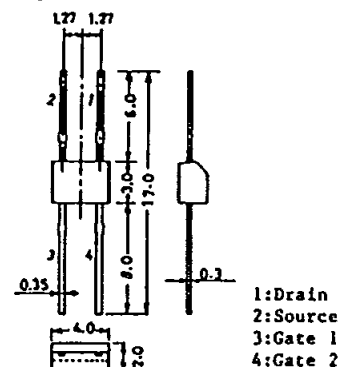


Case Outline—[2048] unit:mm



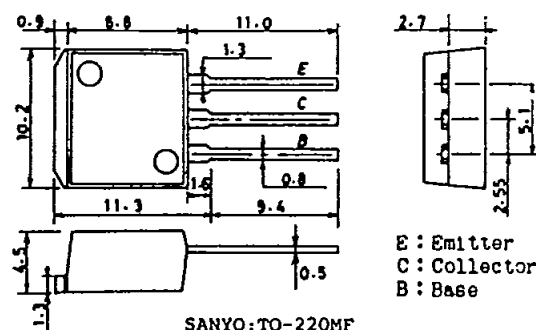
Case Outline—[2053]

unit:mm



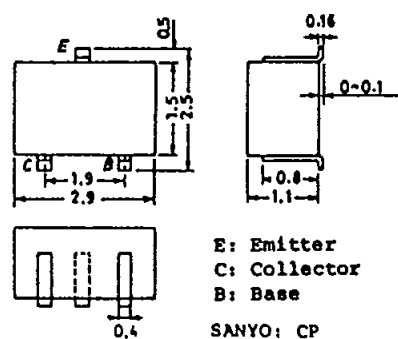
Case Outline—[2049]

unit:mm

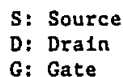


Case Outline—[2054]

unit:mm



1000



SANYO: TO3PB

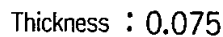
unit:mm

Technical drawing of a rectangular plate with the following dimensions and features:

- Overall width: 17.8
- Overall height: 13.0
- Left side fillet radius: $2-1.0R$
- Top-left corner fillet radius: $a. 3.6\phi$ and $b. 3.0\phi$
- Left side height from bottom: 6.5
- Distance from left edge to hole center: 4.2
- Distance from hole center to right edge: 13.6
- Hole diameter: 3.0
- Thickness: 0.10 ~ 0.05

SANYO

unit:mm



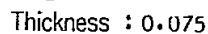
SANYO IS-126

unit:mm



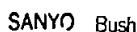
Bush	D	H	h_1	h_2	h_3
A	8.0¢	4.0	2.8	3.1¢	3.89¢
B	8.0¢	3.0	1.8	3.1¢	3.89¢
C	8.0¢	5.7	4.5	3.1¢	3.89¢
D	8.0¢	2.7	1.5	3.1¢	3.89¢
E	8.0¢	3.4	2.2	3.1¢	3.89¢
F	8.0¢	4.0	2.8	3.0¢	3.59¢
K	16.0¢	3.4	1.4	3.1¢	6.0¢
L	6.0¢	3.1	1.5	2.6¢	3.5¢
M	6.0¢	3.1	1.5	3.0¢	3.59¢
P	6.0¢	2.3	1.1	3.0¢	3.59¢

unit:mm



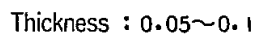
SANYO IS-126A Mica

unit:mm



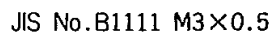
Bush	D	M	h_1	h_2	h_3	h_4	h_5
H	90¢	40	20	08	30¢	3.59¢	56¢
T	90¢	58	20	26	30¢	3.59¢	56¢
UB	160¢	68	15	33	30¢	3.89¢	80¢

unit:mm

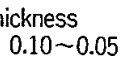


SANYO IS-20MA Mica

unit:mm

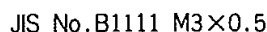


unit:mm



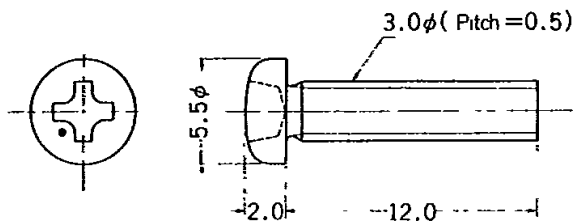
a. IS-313
b. IS-313A

unit:mm



Case Outline—[0013]

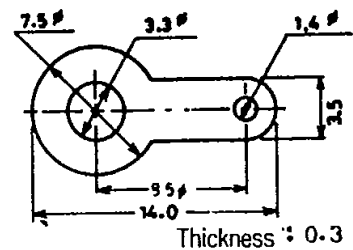
unit:mm



JIS No. B1111 M3x0.5

Case Outline—[0018]

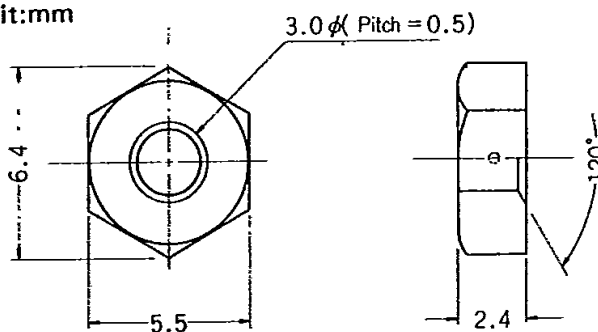
unit:mm



SANYO Lug 1.4

Case Outline—[0014]

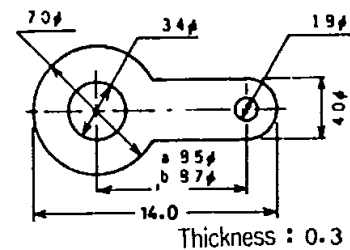
unit:mm



JIS No. B1181 M3x0.5

Case Outline—[0019]

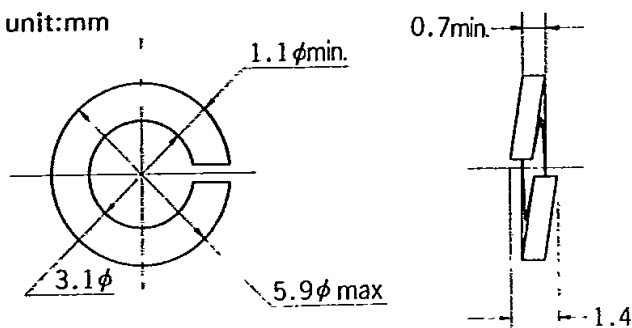
unit:mm



SANYO Lug 1.8φ

Case Outline—[0015]

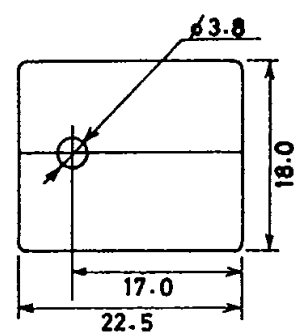
unit:mm



JIS No. B 1251 Spring washer (M3)

Case Outline—[0020]

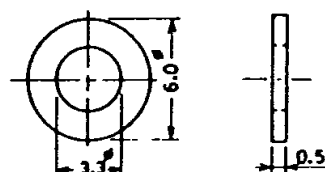
unit:mm



SANYO IS-3MP Mica

Case Outline—[0016]

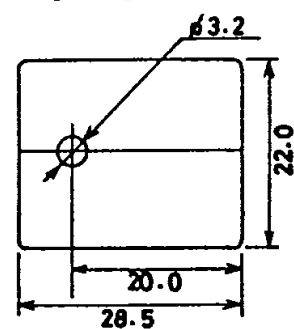
unit:mm



JIS No. B1252 Flat washer

Case Outline—[0021]

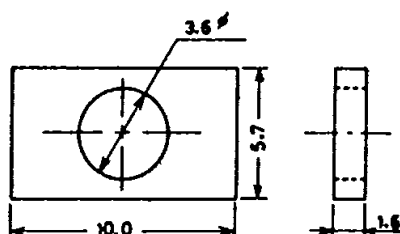
unit:mm



SANYO IS-MPC Mica

Case Outline—[0017]

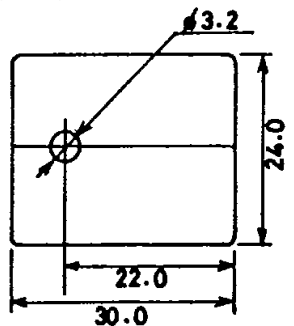
unit:mm



JIS No. G3141 Rectangular washer

Case Outline—[0022]

unit:mm



SANYO IS-3PBL Mica