

2SC2271

(T-31-23

2008A

**NPN Triple Diffused Planar
Silicon Transistor**

Chroma Output, Horizontal Deflection Driver Applications

④493F

- Small-sized color TV chroma use and B/W TV, color TV horizontal deflection driver use.

Absolute Maximum Ratings at Ta=25°C

Absolute Maximum Ratings at Ta=25°C			unit
Collector to Base Voltage	VCBO	300	V
Collector to Emitter Voltage	VCEO	300	V
Emitter to Base Voltage	VEBO	6	V
Collector Current	IC	100	mA
Peak Collector Current	ICP	300	mA
Collector Dissipation	PC	900	mW
Junction Temperature	Tj	150	°C
Storage Temperature	Tstg	-55 to +150	°C

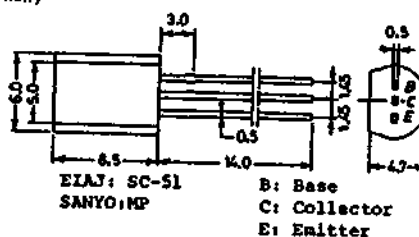
Electrical Characteristics at $T_a=25^{\circ}\text{C}$

		min	typ	max	unit
Collector Cut Off Current	ICBO VCB=200V, IE=0			1.0	uA
Emitter Cut Off Current	IEBO VEB=6V, IC=0			1.0	uA
DC Current Gain	hFE VCE=10V, IC=10mA	40*		200*	
Gain Band Width Product	fT VCE=30V, IC=10mA	50			MHz
Output Capacitance	cob VCB=10V, f=1MHz			7.5	pF
C-E Saturation Voltage	VCE(sat) IC=20mA, IB=2mA			0.6	V
B-E Saturation Voltage	VBE(sat)			1.0	V

* The 2SC2271 is classified by 10mA h_{FE} as follows.

40	C	80	60	D	120	100	E	200
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Case Outline 2006A
(unit:mm)



The 2SC2271 is scheduled to be discontinued soon. Use the 2SC3468, instead of the 2SC2271, in new applications where you are planning to use the 2SC2271.

4157KI/3195MW, TS No. 493-1/2

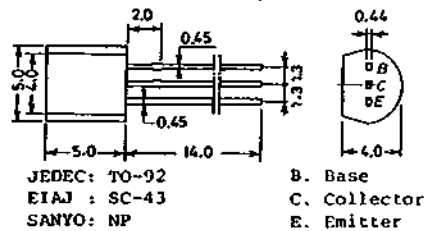
T-91-20

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.

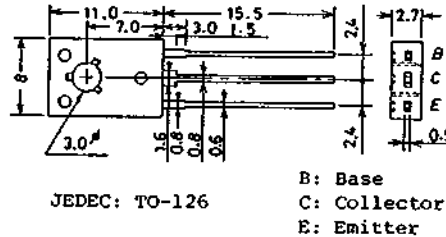
Case Outline—[2003A]

unit:mm



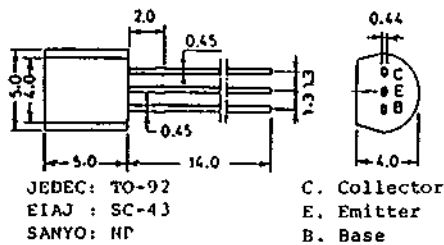
Case Outline—[2009A]

unit:mm



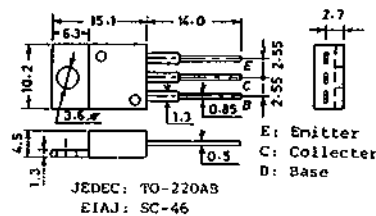
Case Outline—[2004A]

unit:mm



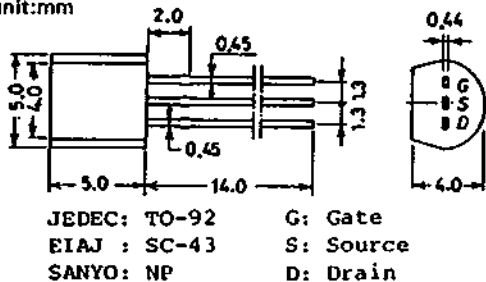
Case Outline—[2010A]

unit:mm



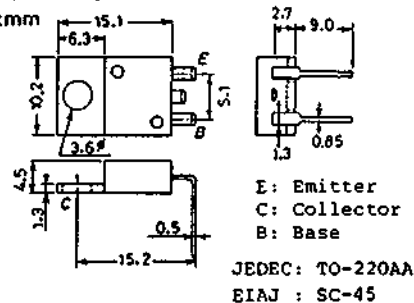
Case Outline—[2005A]

unit:mm



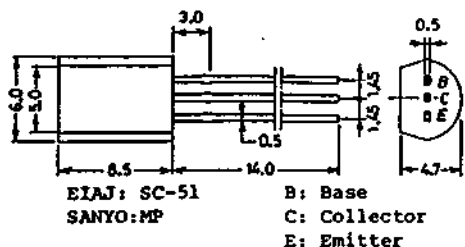
Case Outline—[2012]

unit:mm



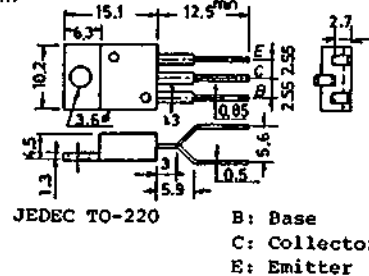
Case Outline—[2008A]

unit:mm



Case Outline—[2013]

unit:mm



C: Collector
E: Emitter
B: Base

G: Gate
S: Source
D: Drain

B: Base
C: Collector
E: Emitter
SANYO: CP

G: Gate
D: Drain
S: Source

D: Drain
G: Gate
S: Source

D: Drain
G: Gate
S: Source
SANYO: OP6A

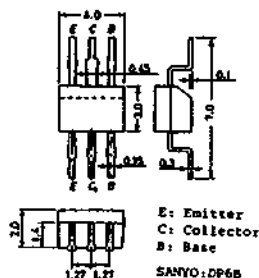
ANYD: TO3PB

D: Drain
G: Gate
S: Source
SANYO: D26B

S: Source
G: Gate
D: Drain
SANYO: CP

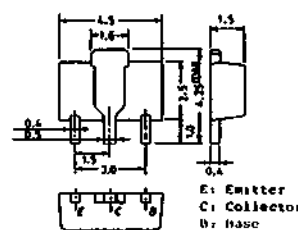
SANYO : DP6A

unit:mm



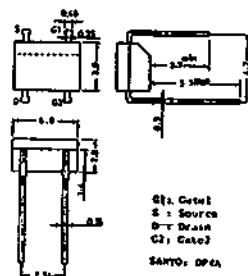
E: Emitter
C: Collector
B: Base
SANYO:DP6B

unit:mm



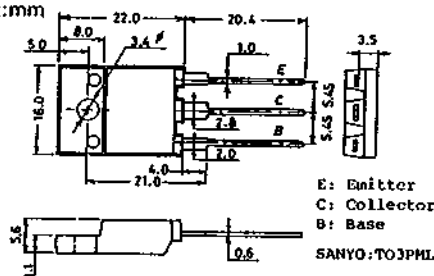
E: Emitter
C: Collector
B: Base

unit:mm



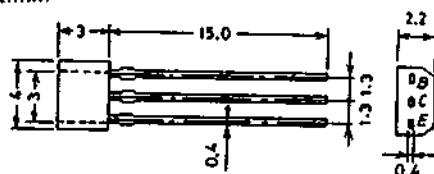
G1, Gate1
S : Source
D : Drain
G2, Gate2
SANTO: open

unit:mm



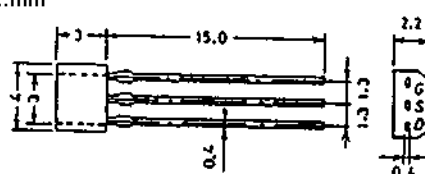
E: Emitter
C: Collector
B: Base
SANYO:TO3PML

unit:mm



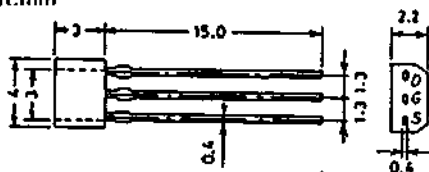
B: Base
C: Collector
E: Emitter
SANYO: SPA

unit:mm



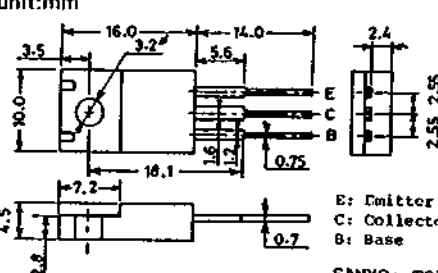
G: Gate
S: Source
D: Drain
SANYO: SPA

unit:mm



D: Drain
G: Gate
S: Source
SANYO: SPA

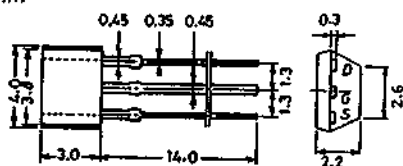
unit:mm



E: Emitter
C: Collector
B: Base

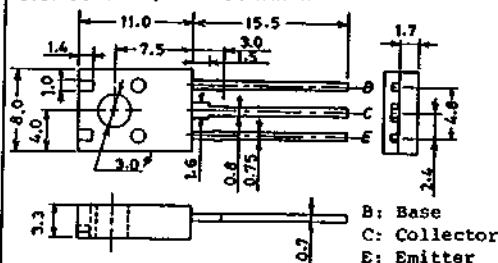
SANYO: TO22

unit:mm



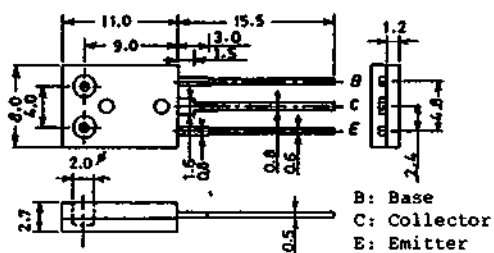
D: Drain
G: Gate
S: Source
SANYO: SP'

11.0 15.5

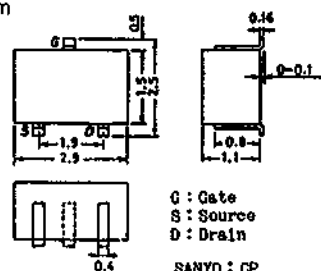


B: Base
C: Collector
E: Emitter

Case Outline—[2043A] unit:mm

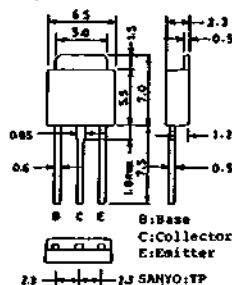


SANYO: TO126LP

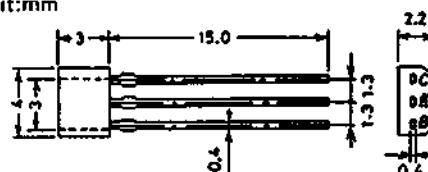
Case Outline—[2050]
unit:mm

SANYO: CP

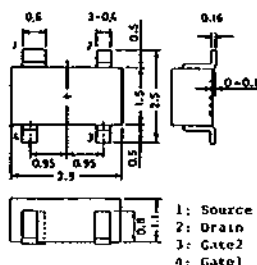
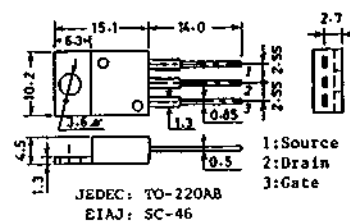
T-91-20

Case Outline—[2045]
unit:mm

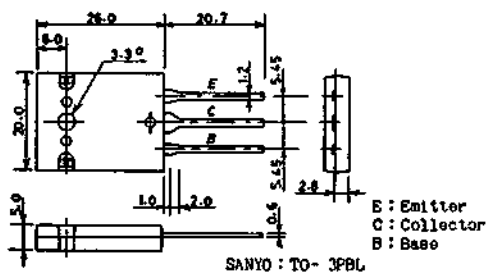
SANYO: TP

Case Outline—[2051]
unit:mm

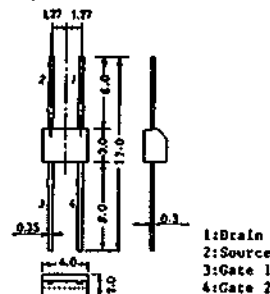
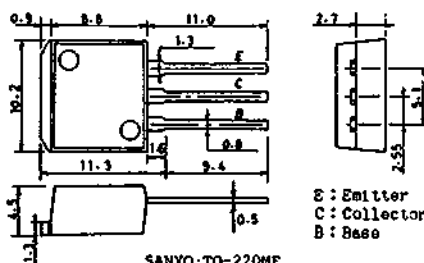
SANYO: SPA

Case Outline—[2046]
unit:mmCase Outline—[2052A]
unit:mm

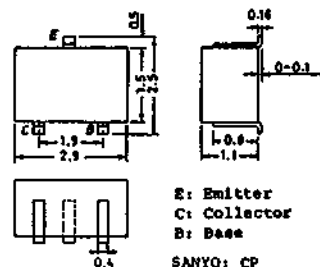
Case Outline—[2048] unit:mm



SANYO: TO-3PBL

Case Outline—[2053]
unit:mmCase Outline—[2049]
unit:mm

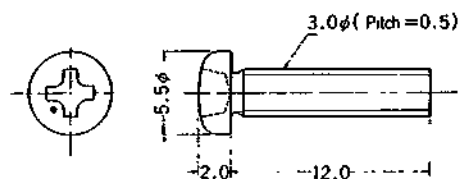
SANYO: TO-220MF

Case Outline—[2054]
unit:mm

SANYO: CP

Case Outline—[0013]

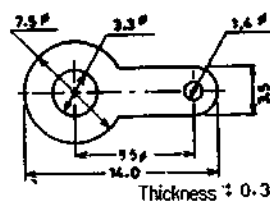
unit:mm



JIS No. B1111 M3×0.5

Case Outline—[0018]

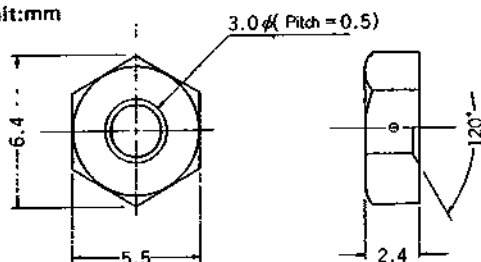
unit:mm



SANYO Lug 1.4

Case Outline—[0014]

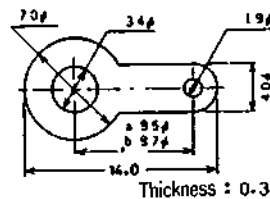
unit:mm



JIS No. B1181 M3×0.5

Case Outline—[0019]

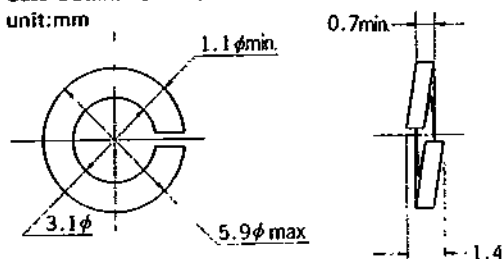
unit:mm



SANYO Lug 1.8φ

Case Outline—[0015]

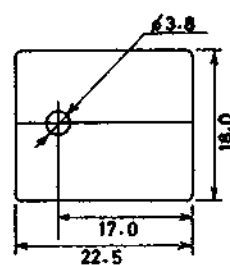
unit:mm



JIS No. B 1251 Spring washer (M3)

Case Outline—[0020]

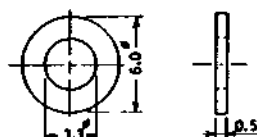
unit:mm



SANYO IS-3MP Mica

Case Outline—[0016]

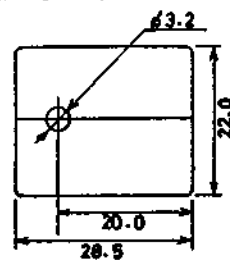
unit:mm



JIS No. B1252 Flat washer

Case Outline—[0021]

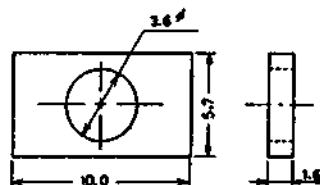
unit:mm



SANYO IS-MPC Mica

Case Outline—[0017]

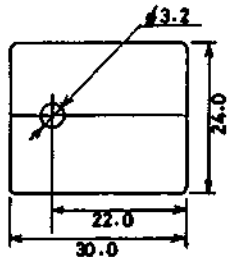
unit:mm



JIS No. G3141 Rectangular washer

Case Outline—[0022]

unit:mm



SANYO IS-3PBL Mica