#### 查询2SC4636LS供应商

#### Ordering number : ENN3705B

NPN Triple Diffused Planar Silicon Transistor

# 2SC4636LS

## 1800V / 10mA High-Voltage Amplifier, High-Voltage Switching Applications

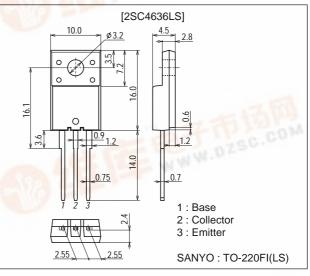
## **Features**

- High breakdown voltage(VCEO min=1800V).
- Small Cob(typical Cob=1.4pF).
- Full-isolation package.
- High reliability(Adoption of HVP process).

## Package Dimensions

unit : mm





## **Specifications**

### Absolute Maximum Ratings at Ta=25°C

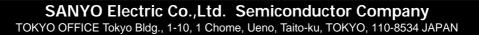
Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	VCBO		2000	V
Collector-to-Emitter Voltage	VCEO		1800	V
Emitter-to-Base Voltage	VEBO		5	V
Collector Current	IC	and high	10	mA
Collector Current (Pulse)	ICP	180 1 4 5 5	30	mA
Collector Dissipation	PC	-1 60 60	2	W
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg	C COM	-55 to +150	°C

### Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Collector Cutoff Current	ICBO	V <sub>CB</sub> =1800V, I <sub>E</sub> =0		-	1	μA
Emitter Cutoff Current	IEBO	VEB=4V, IC=0		art	1	μΑ
DC Current Gain	hFE	V <sub>CE</sub> =5V, I <sub>C</sub> =100μA	10	C	60	
Gain-Bandwidth Product	fŢ	V <sub>CE</sub> =10V, I <sub>C</sub> =100μA	1	6		MHz

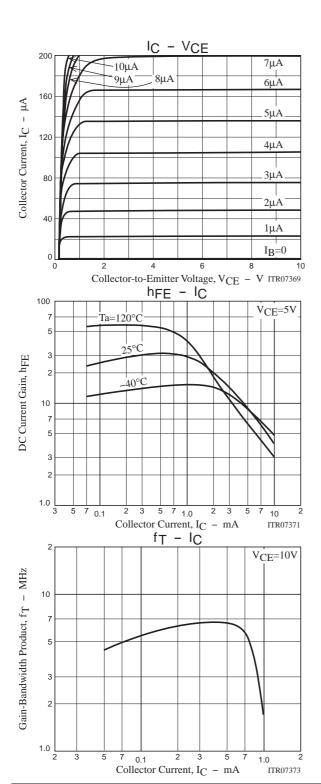
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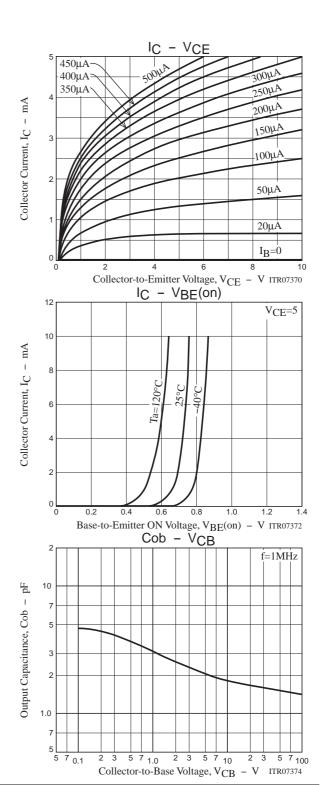
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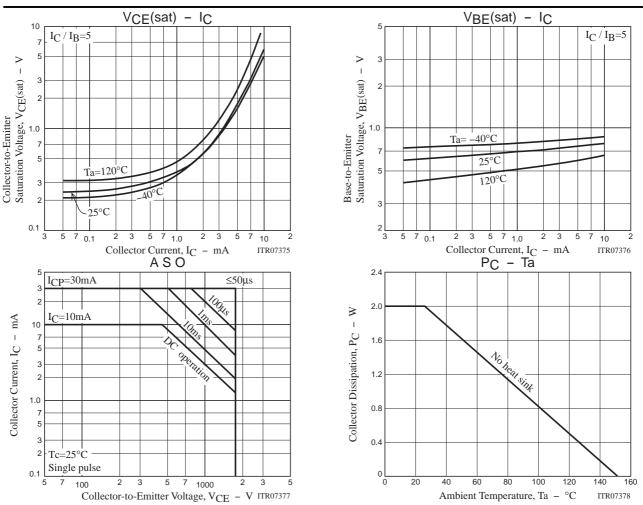
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Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Collector-to-Emitter Saturation Voltage	VCE(sat)	IC=200μA, IB=40μA			5	V
Base-to-Emitter Saturation Voltage	V <sub>BE</sub> (sat)	I <sub>C</sub> =200μΑ, I <sub>B</sub> =40μΑ			2	V
Collector-to-Base Breakdown Voltage	V(BR)CBO	IC=10μA, IE=0	2000			V
Collector-to-Emitter Breakdown Voltage	V(BR)CEO	IC=100μA, RBE=∞	1800			V
Emitter-to-Base Breakdown Voltage	V(BR)EBO	IE=10μA, IC=0	5			V
Output Capacitance	Cob	V <sub>CB</sub> =100V, f=1MHz		1.4		pF
Thermal Resistance	Rthj-c	Junction – case			12.5	°C / W





### 2SC4636LS



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