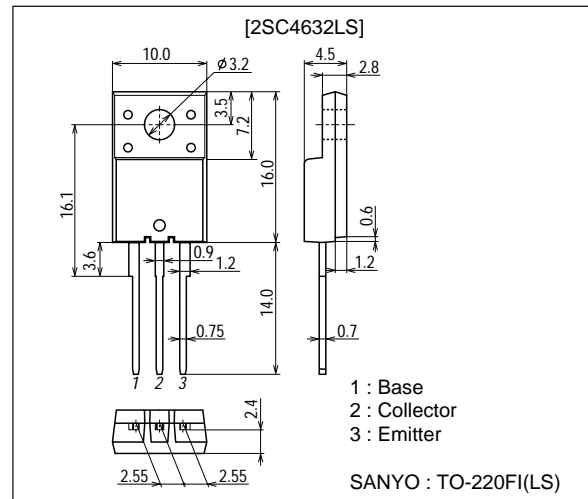


**2SC4632LS****1200V / 10mA High-Voltage Amplifier,  
High-Voltage Switching Applications****Features**

- High breakdown voltage( $V_{CEO \text{ min}}=1200\text{V}$ ).
- Small Cob(typical Cob=1.6pF).
- Full-isolation package.
- High reliability(Adoption of HVP process).

**Package Dimensions**unit : mm  
2079D**Specifications****Absolute Maximum Ratings** at  $T_a=25^\circ\text{C}$ 

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	$V_{CBO}$		1500	V
Collector-to-Emitter Voltage	$V_{CEO}$		1200	V
Emitter-to-Base Voltage	$V_{EBO}$		5	V
Collector Current	$I_C$		10	mA
Collector Current (Pulse)	$I_{CP}$		30	mA
Collector Dissipation	$P_C$		2	W
Junction Temperature	$T_j$		150	$^\circ\text{C}$
Storage Temperature	$T_{stg}$		-55 to +150	$^\circ\text{C}$

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

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Collector Cutoff Current	$I_{CBO}$	$V_{CB}=1200\text{V}, I_E=0$			1	$\mu\text{A}$
Emitter Cutoff Current	$I_{EBO}$	$V_{EB}=4\text{V}, I_C=0$			1	$\mu\text{A}$
DC Current Gain	$h_{FE}$	$V_{CE}=5\text{V}, I_C=0.5\text{mA}$	10		60	
Gain-Bandwidth Product	$f_T$	$V_{CE}=10\text{V}, I_C=0.5\text{mA}$		6		MHz

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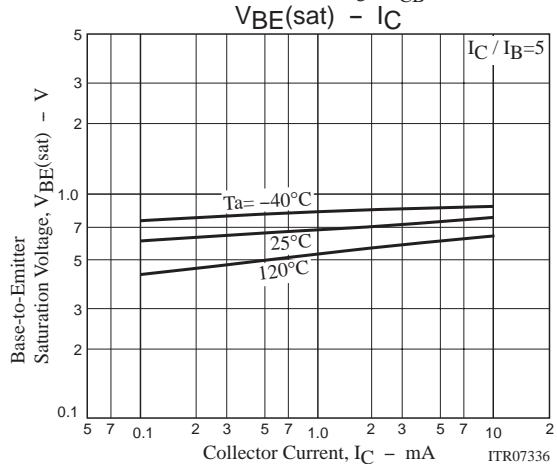
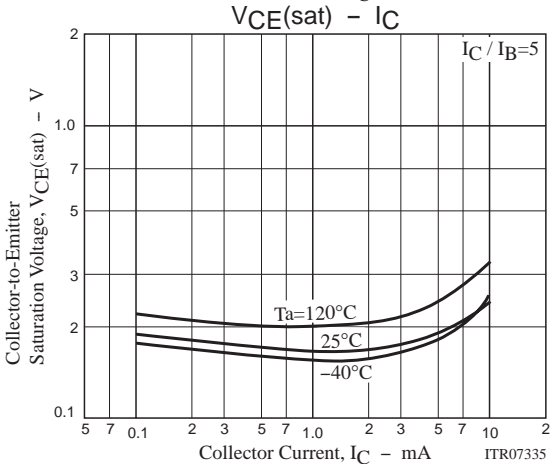
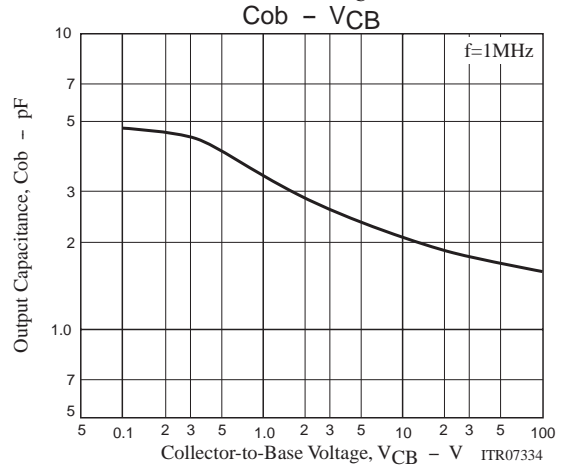
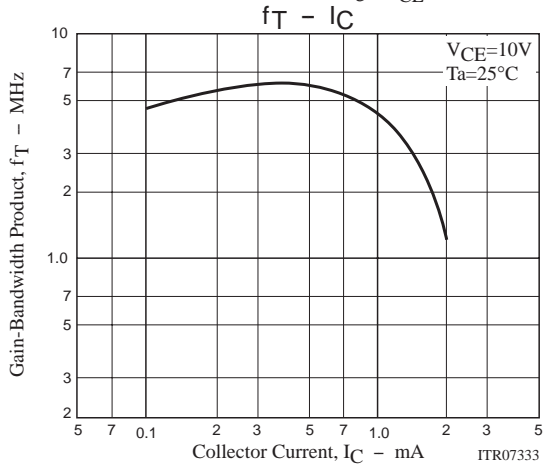
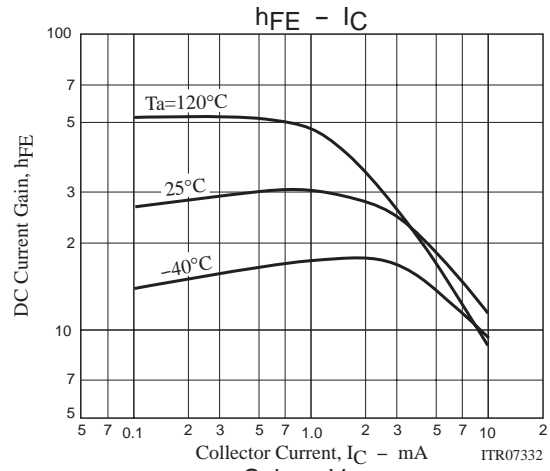
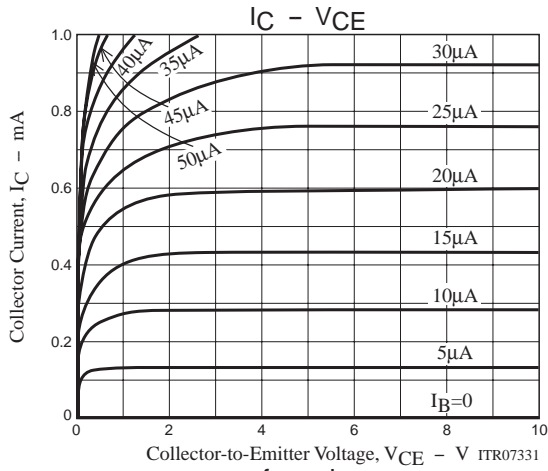
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■ SANYO assumes no responsibility for equipment failures that result from using products at values that exceed, even momentarily, rated values (such as maximum ratings, operating condition ranges, or other parameters) listed in products specifications of any and all SANYO products described or contained herein.

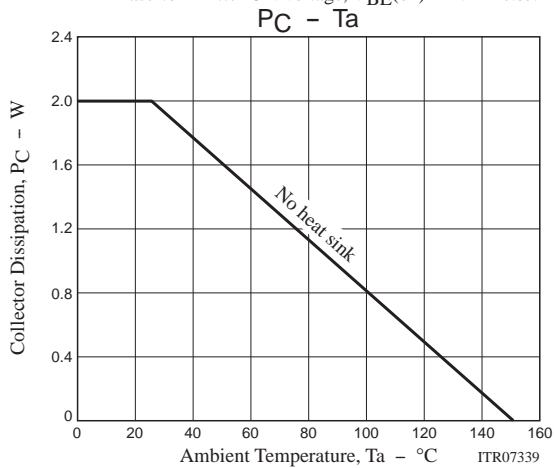
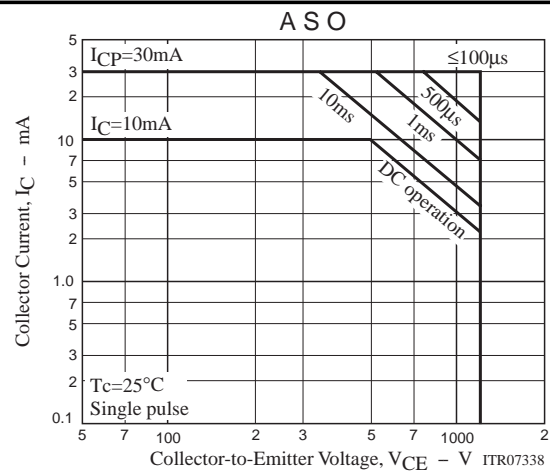
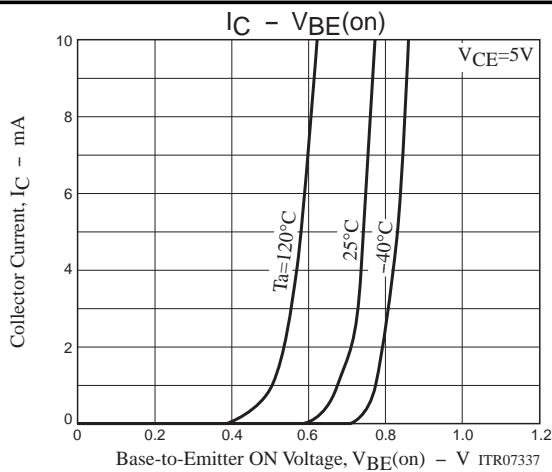
# 2SC4632LS

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Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Collector-to-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=1mA, I_B=0.2mA$			5	V
Base-to-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=1mA, I_B=0.2mA$			2	V
Collector-to-Base Breakdown Voltage	$V_{(BR)CBO}$	$I_C=100\mu A, I_E=0$	1500			V
Collector-to-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=1mA, R_{BE}=\infty$	1200			V
Emitter-to-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E=100\mu A, I_C=0$	5			V
Output Capacitance	$C_{ob}$	$V_{CB}=100V, f=1MHz$		1.6		pF
Thermal Resistance	$R_{thj-c}$	Junction - case			12.5	$^{\circ}C/W$



## 2SC4632LS



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