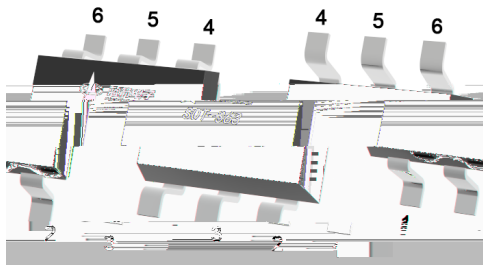
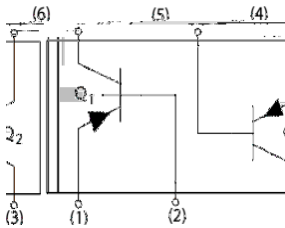


silicon PNP transistor in a SOT-363 Plastic Package.

High voltage, complementary pair with BRDBC847, HF Product.

General purpose high voltage amplifier.



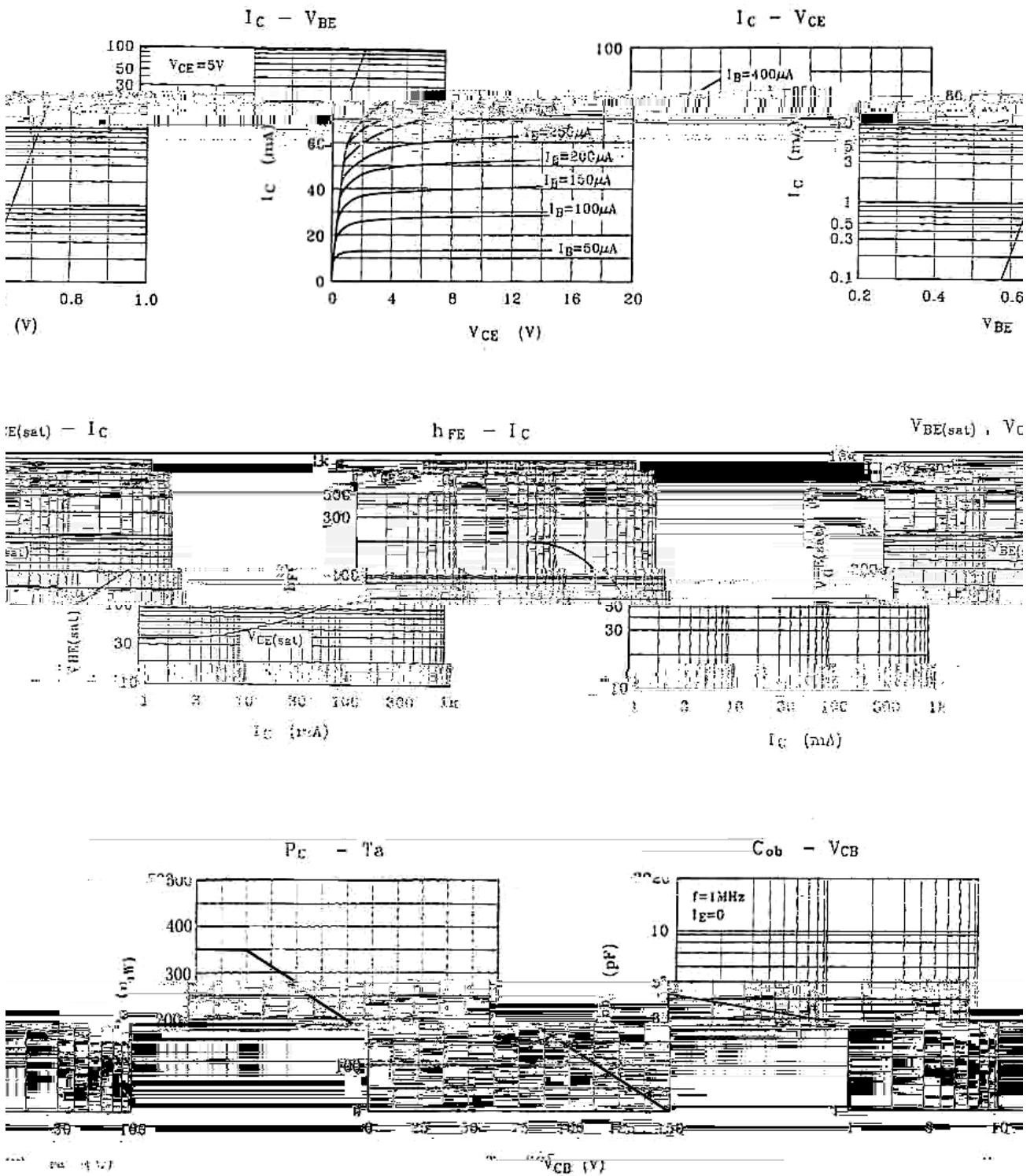
PIN 1 4 Emitter

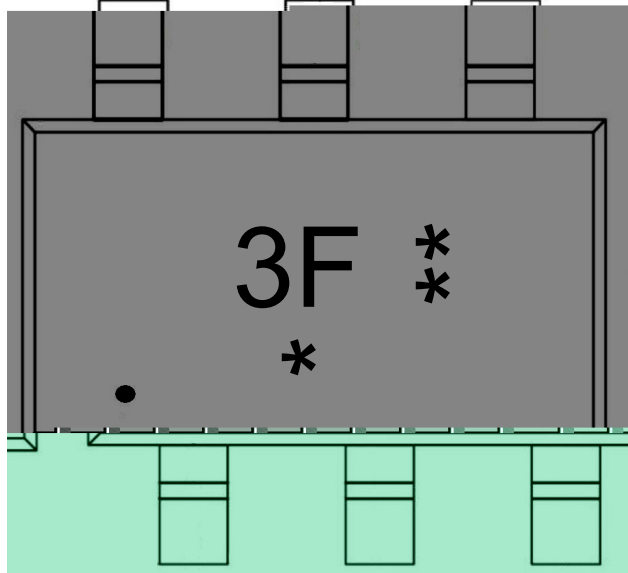
PIN 2 5 Base

PIN 3 6 Collector

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-50	V
Collector to Emitter Voltage	V_{CEO}	-45	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current	I_C	-100	mA
Total Package Dissipation	P_D	380	mW
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	328	/W
Junction Temperature	T_j	-55 +150	
Storage Temperature Range	T_{stg}	-55 +150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector-Base Breakdown Voltage	V_{CBO}	$I_C = -10\text{ A}$ $I_E = 0$	-50			V
Collector-Emitter Breakdown Voltage	V_{CEO}	$I_C = -10\text{mA}$ $I_B = 0$	-45			V
Emitter-Base Breakdown Voltage	V_{EBO}	$I_E = -10\text{ A}$ $I_C = 0$	-5.0			V
Collector-Emitter Breakdown Voltage	V_{CES}	$I_C = -10\text{ A}$ $V_{EB} = 0$	50			V
Collector Cut-Off Current	I_{CBO}	$V_{CB} = -30\text{V}$ $I_E = 0$			-15	nA
		$V_{CB} = -30\text{V}$ $I_E = 0$ $T_A = 150$			-4.0	μA
DC Current Gain	h_{FE}	$V_{CE} = -5.0\text{V}$ $I_C = -10\text{ A}$		150		
		$V_{CE} = -5.0\text{V}$ $I_C = -2.0\text{mA}$	125		800	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -10\text{mA}$ $I_B = -0.5\text{mA}$			-0.30	V
		$I_C = -100\text{mA}$ $I_B = -5.0\text{mA}$			-0.65	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C = -10\text{mA}$ $I_B = -0.5\text{mA}$		-0.70		V
		$I_C = -100\text{mA}$ $I_B = -5.0\text{mA}$		-0.90		V
Base-Emitter Voltage	$V_{BE(on)}$	$I_C = -2.0\text{mA}$ $V_{CE} = -5.0\text{V}$	-0.60		-0.75	V
		$I_C = -10\text{mA}$ $V_{CE} = -5.0\text{V}$			-0.82	V
Transition Frequency	f_T	$V_{CE} = -5.0\text{V}$ $I_C = -10\text{mA}$ $f = 100\text{MHz}$	100			MHz
Output Capacitance	C_{ob}	$V_{CB} = -10\text{V}$ $f = 1.0\text{MHz}$			4.5	pF
Noise Figure	NF	$I_C = -0.2\text{mA}$ $V_{CE} = -5.0\text{V}$ $R_S = 2.0\text{k}$ $f = 1.0\text{kHz}$ $BW = 200\text{Hz}$			10	dB



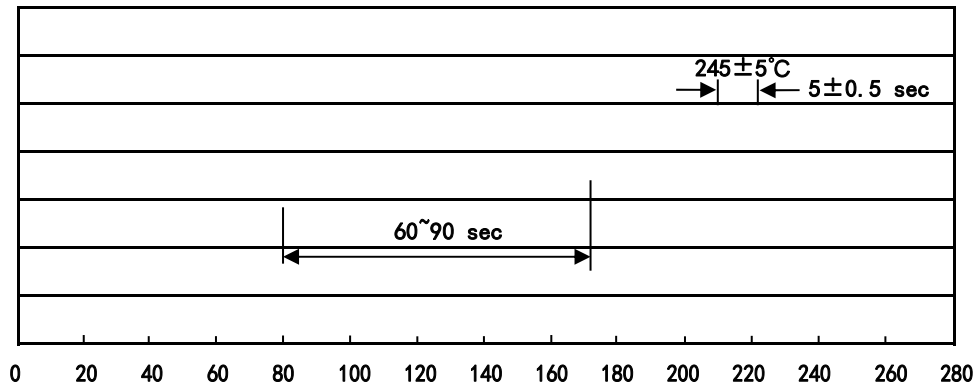


hFE

Note:



- 3 Product Type Code
- hFE Classifications Symbol Code
- Lot No. Code, code change with Lot No



Note:

- | | | | | | |
|---|-----|-----|----|---------|---|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180 , Time:60~90sec. |
| 2 | 245 | 5 | 5 | 0.5sec; | 2.Peak Temp.:245 5 , Duration:5 0.5sec. |
| 3 | | 2 | 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

260	5	10	1 sec.	Temp.:260±5	Time:10±1 sec
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/ REEL

Package Type	Units					Dimension (unit mm ³)		
SOT-363	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205