/ Descriptions

WR0<5 Ṃ Ṃ Ł QSQ Æ Ṁ ч s ǁ ˊ Silicon NPN transistor in a TO-92 Plastic Package.

/ Features

љ 5VE894 Й ´

Complementary pair with 2SB561.

/ Applications

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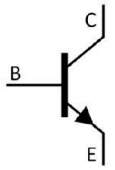
Low frequency power amplifier.

/ Equivalent Circuit



/ Pinning



PIN1 χ Base PIN 2 χ Collector PIN 3 χ Emitter

/ hFE Classifications & Marking

h_{FE} Classifications Symbol	B	C
h_{FE} Range	85~170	120~240

/ Absolute Maximum Ratings(Ta=25)

v ̈Ω Parameter	ϒ N Symbol	̈Ω Ö Rating	D Ч Unit
Collector to Base Voltage	V_{CBO}	25	V
Collector to Emitter Voltage	V_{CEO}	20	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	0.7	A
Peak Collector Current	I_{CM}	1.0	A
Collector Power Dissipation	P_C	0.5	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

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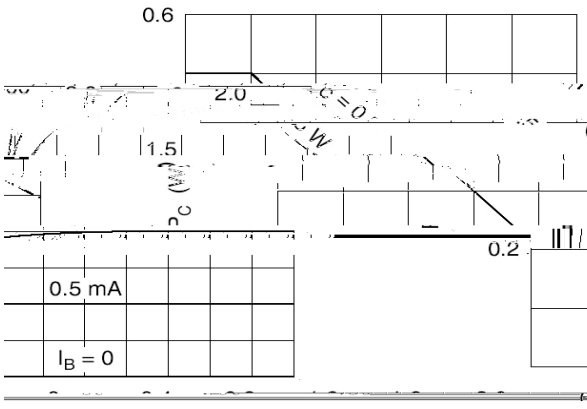
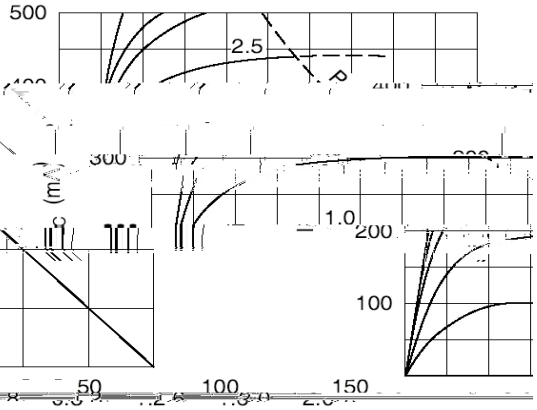
v ̈Ω Parameter	ϒ N Symbol	‼ ⁝ ̌ ţ Test Conditions	ѡ ṇ Ö Min	Ɛ ʒ Ö Typ	ѡ ᶻ Ö Max	D Ч Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=10 A I_E=0	25			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=1.0mA I_B=0	20			V
Emitter to Base Breakdown Voltage	V_{EBO}	I_E=10 A I_C=0	5.0			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=20V I_E=0			1.0	A
Emitter Cut-Off Current	I_{EBO}	V_{EB}=4V I_C=0			1.0	A
DC Current Gain	h_{FE}	V_{CE}=1.0V I_C=0.15A	85		240	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=0.5A I_B=0.05A		0.19	0.5	V
Base to Emitter Voltage	V_{BE}	V_{CE}=1.0V I_C=0.15A		0.76	1.0	V
Transition Frequency	f_T	V_{CE}=1.0V I_C=0.15A		280		MHz
Output Capacitance	C_{ob}	V_{CB}=10V I_E=0 f=1.0MHz		12		pF

/ Electrical Characteristic Curve

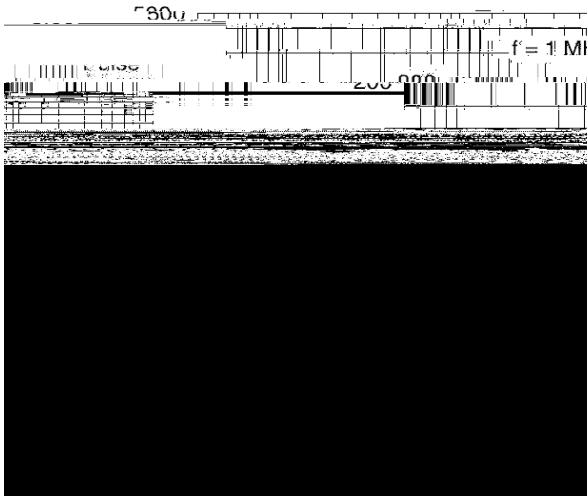
P_C — Ta



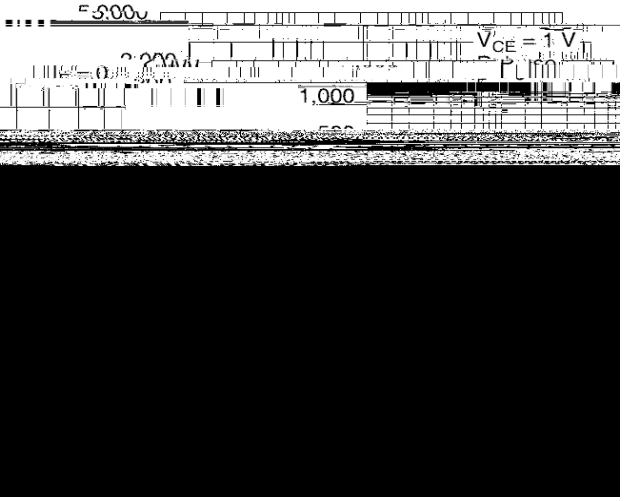
I_C — V_{CE}



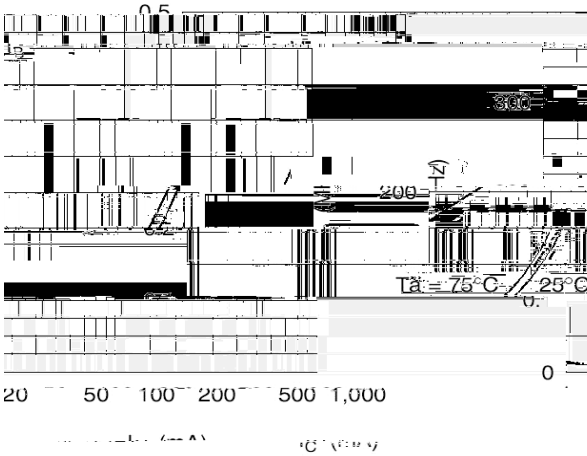
C_{ob} — V_{CB}



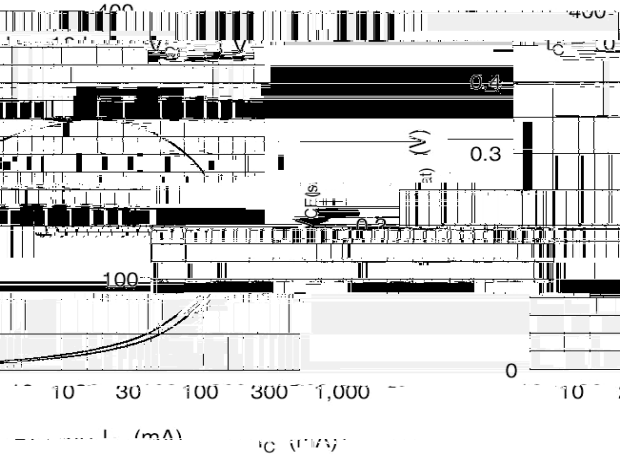
h_{FE} – I_C



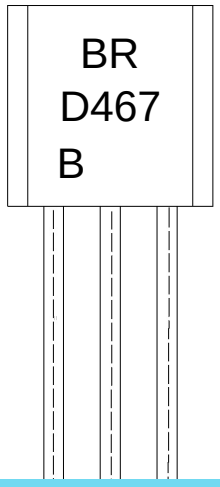
$V_{CE(sat)}$ — I_C



f_T — I_C



/ Marking Instructions



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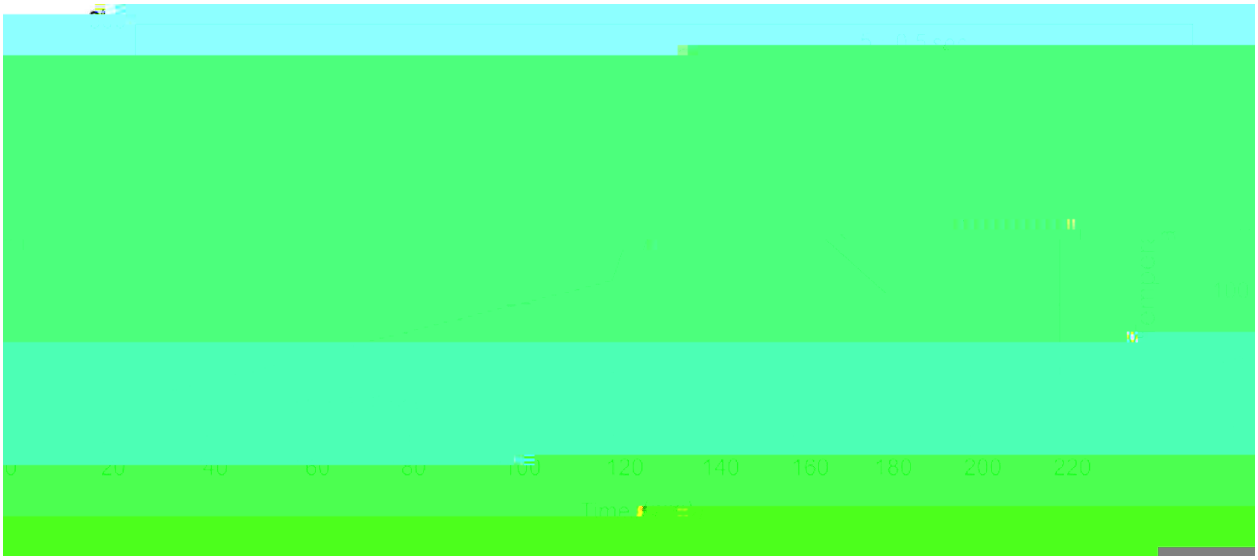
Note:

BR:	Company Code.
D467:	Product Type.
B:	h_{FE} Classifications Symbol
****:	Lot No. Code,code change with Lot No.

( ) / Temperature Profile for Dip Soldering(Pb-Free)



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1 ǂ ♬ □ ỷ 25 Ḱ 150 ɬ ı ̀H ڑ 60 Ḱ 90sec;

2 Š Ö □ ỷ 255 ° 5 ɬ ı ̀H ڑ ̀Y ⺈ ⺮ 5 ° 0.5sec;

3 ì ̇ ⺈ ˛ ɔ ھ ỷ ⺮ 2 Ḱ 10 ɬ /sec.

Note:

1.Preheating:25~150 ɬ , Time:60~90sec.

2.Peak Temp.:255 ° 5 ɬ , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ɬ /sec.

/ Resistance to Soldering Heat Test Conditions

□ ỷ χ 270 ° 5 ɬ ̀H ڑ χ 10 ° 1 sec. Temp:270±5 Time:10±1 sec

/ Packaging SPEC.

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