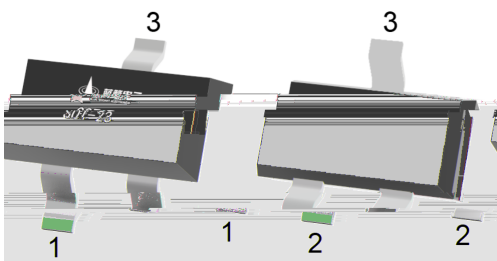
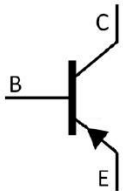


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95: .>//x 6 4 6 !-} â'ož Silicon PNP transistor in a SOT-23 Plastic Package.

( 8 9 3 7 ; m k ... ` ' + ) 7 ö Ö ä U ´ Å } L k —)í D }ož  
Complementary pair with BRS8050MQ, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

9 ä y ´ Ý è k á V ñ • } Lož  
Power amplifier applications, Meet the stringent requirements of automotive applications.



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表 1

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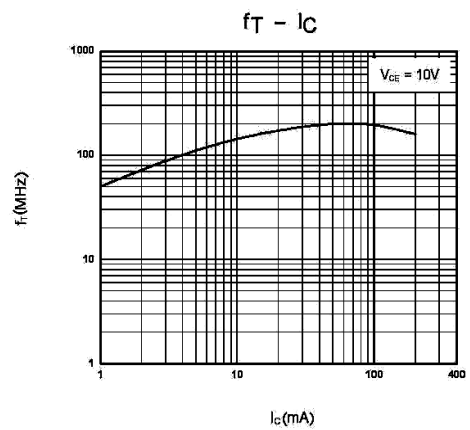
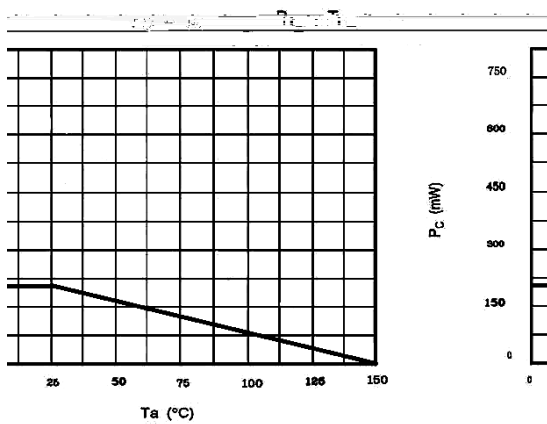
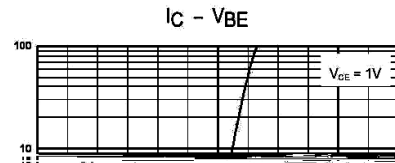
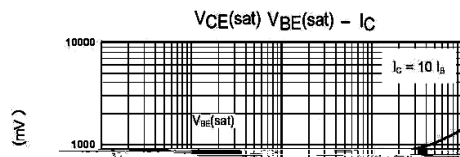
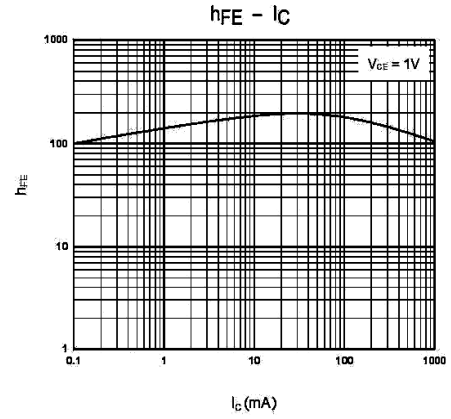
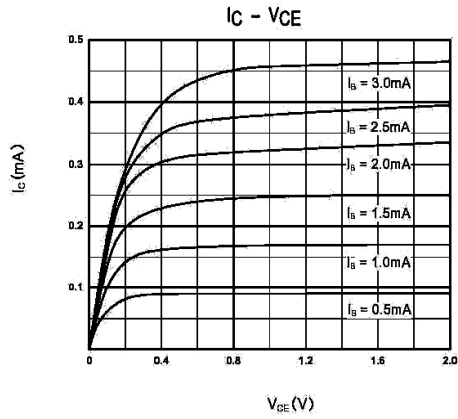
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	-40	V
Collector to Emitter Voltage	$V_{CEO}$	-25	V
Emitter to Base Voltage	$V_{EBO}$	-6.0	V
Collector Current	$I_C$	-800	mA
Base Current	$I_B$	-200	mA
Collector Power Dissipation	$P_C$	200	mW
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-65 ~ 150	

表 2

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Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	$V_{CBO}$	$I_C = -0.1mA$ $I_E = 0$	-40			V
Collector to Emitter Breakdown Voltage	$V_{CEO}$	$I_C = -2.0mA$ $I_B = 0$	-25			V
Emitter to Base Breakdown Voltage	$V_{EBO}$	$I_E = -0.1mA$ $I_C = 0$	-6.0			V
Collector Cut-Off Current	$I_{CBO}$	$V_{CB} = -35V$ $I_E = 0$			-0.1	A
Emitter Cut-Off Current	$I_{EBO}$	$V_{EB} = -6.0V$ $I_C = 0$			-0.1	A
DC Current Gain	$h_{FE(1)}$	$V_{CE} = -1.0V$ $I_C = -100mA$	85		300	
	$h_{FE(2)}$	$V_{CE} = -1.0V$ $I_C = -500mA$	40			
	$h_{FE(3)}$	$V_{CE} = -1.0V$ $I_C = -5.0mA$	45			
Collector-emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -500mA$ $I_B = -50mA$		-0.28	-0.6	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C = -500mA$ $I_B = -50mA$		-0.98	-1.2	V
Base-Emitter Voltage	$V_{BE}$	$V_{CE} = -1.0V$ $I_C = -10mA$		-0.66	-1.0	V
Transition Frequency	$f_T$	$V_{CE} = -10V$ $I_C = -50mA$	100	200		MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB} = -10V$ $I_E = 0$ $f = 1.0MHz$		15		pF

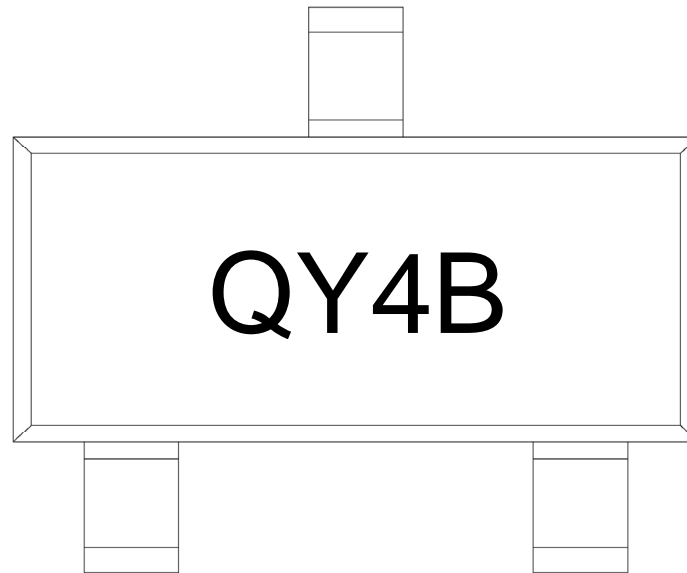
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Note:

Q: Automobile halogen-free product Code

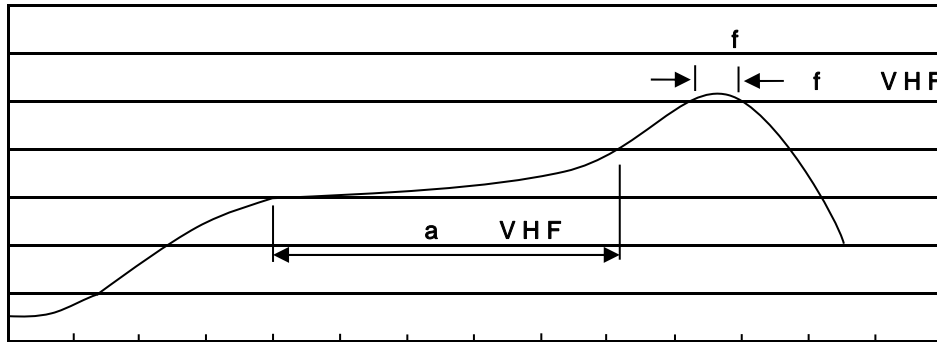
? y Product Type Code

( y hFE Classifications Symbol Code

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7HP SHUDW XUH



7LPH VHF

a Ć y

Note:

- |   |   |
|---|---|
| 1o• Ä ½ “ † 150 ½200 - k ž • 60 ½120sec;  | 1.Preheating:150~200 - , Time:60~120sec.    |
| 2o• Q › “ † 255 r5 - k ž • 4 Ö 5 r0.5sec; | 2.Peak Temp.:255 r5 - , Duration:5 r0.5sec. |
| 3o•D N ò i Ö 0 , † 2 ½10 - /sec.          | 3. Cooling Speed: 2~10 - /sec.              |

ÂD /Cã p ~ » ]

“ † y 260 r5 - ž • y 10 r1 sec. Temp.:260±5 Time:10±1 sec

GP á

2 &amp; x / REEL

Package Type 7>û ~ E	Units ;>û !H					Dimension ;>û p . (unit /Æmm³)		
	Units/Reel /--	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /!ç	Units/Outer Box /!ç	Reel	Inner Box	Outer Boxç
SOT-23	3,000	10	30,000	6	180,000	7 s x8	180x120x180	390x385x205

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