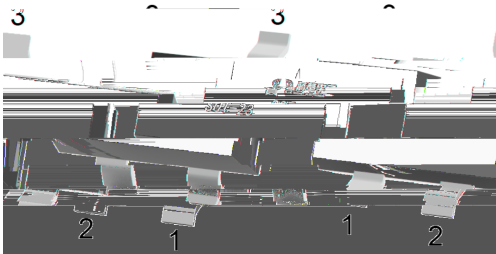
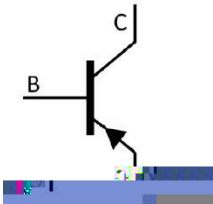


95: .>//x 6 4 6 !-} â'ož Silicon PNP transistor in a SOT-23 Plastic Package.

( 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.

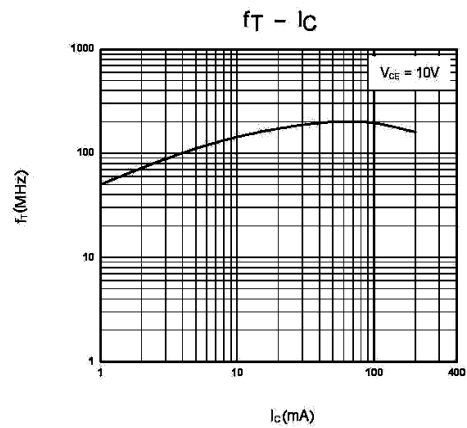
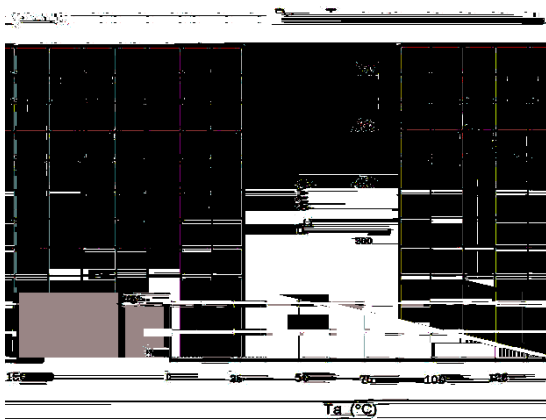
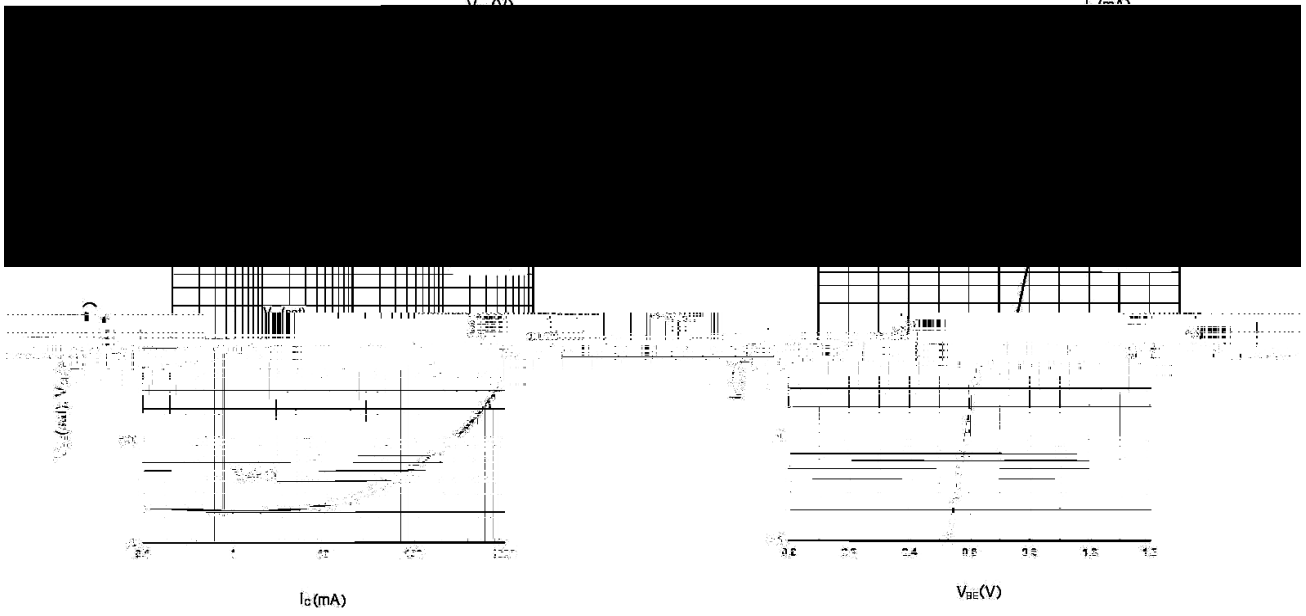
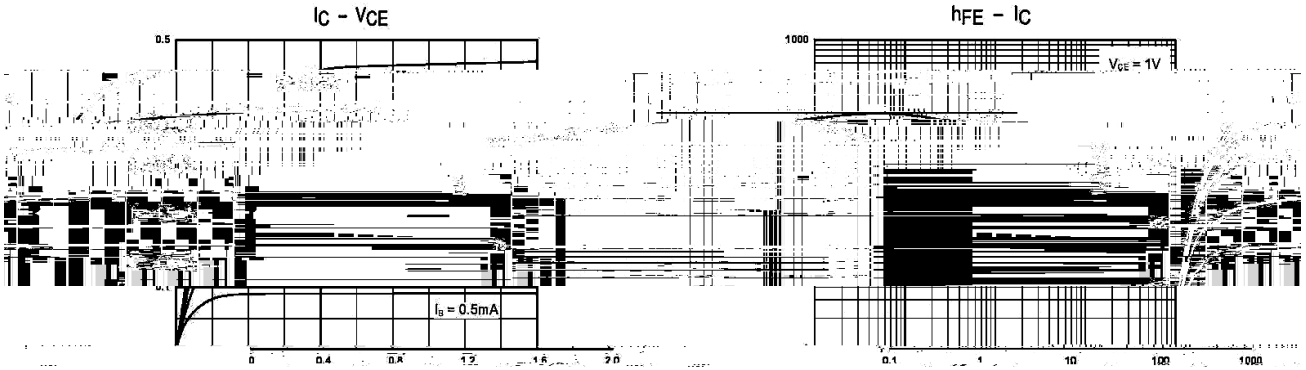


PIN1 y

@ f Parameter	... Z Symbol	f › Rating	% y Unit
Collector to Base Voltage	V <sub>CBO</sub>	-40	V
Collector to Emitter Voltage	V <sub>CEO</sub>	-25	V
Emitter to Base Voltage	V <sub>EBO</sub>	-6.0	V
Collector Current	I <sub>C</sub>	-800	mA
Base Current	I <sub>B</sub>	-200	mA
Collector Power Dissipation	P <sub>C</sub>	200	mW
Junction Temperature	T <sub>j</sub>	150	
Storage Temperature Range	T <sub>stg</sub>	-65 150	

@ f Parameter	... Z Symbol	y j Ú ^ Test Conditions	Â 4 › Min	Á ° › Typ	Â Ý › Max	% y Unit
Collector to Base Breakdown Voltage	V <sub>CBO</sub>	I <sub>C</sub> =-0.1mA I <sub>E</sub> =0	-40			V
Collector to Emitter Breakdown Voltage	V <sub>CEO</sub>	I <sub>C</sub> =-2.0mA I <sub>B</sub> =0	-25			V
Emitter to Base Breakdown Voltage	V <sub>EBO</sub>	I <sub>E</sub> =-0.1mA I <sub>C</sub> =0	-6.0			V
Collector Cut-Off Current	I <sub>CBO</sub>	V <sub>CB</sub> =-35V I <sub>E</sub> =0			-0.1	A
Emitter Cut-Off Current	I <sub>EBO</sub>	V <sub>EB</sub> =-6.0V I <sub>C</sub> =0			-0.1	A

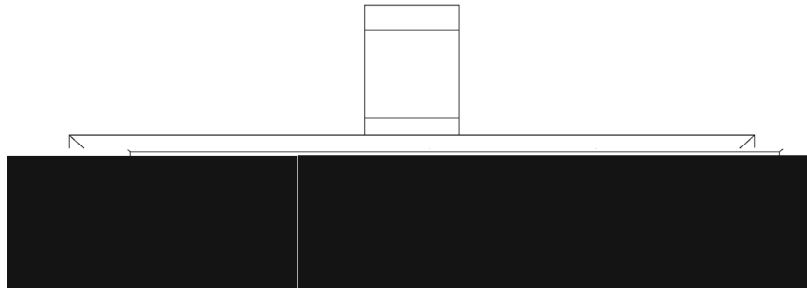
Electrical Characteristic Curve



BRS8550MQ  
Rev.C Mar.-2023



DATA SHEET



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<sup>a</sup> ϕ 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 Ò 5 r0.5sec; 2.Peak Temp.:255 r5 - , Duration:5 r0.5sec.
- 3o•D N ò i Ò 0 , † 2 ½10 - /sec. 3. Cooling Speed: 2~10 - /sec.

ÂD /Cã p ~ » ] / Resistance to Soldering Heat Test Conditions

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

G P á / Packaging SPEC.

2 & x / REEL

Package Type 7>û ~ E	Units/Reel /--	Units ;>û !H	Dimension ;>û p . (unit Åmm <sup>3</sup> )
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