

Y / Descriptions

VRW056 QSQ 〃Q ll 1 Violic q QSQ Gigiwao wuaqvivw ru iq a VRW056 S0avwic Sacnagel

• È / Features

 J 3 v l ll y y DHF0T434 % 0 ñ

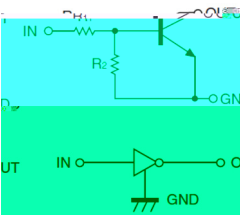
With built-in bias resistors, simplify circuit design, reduce a quantity of parts and manufacturing process, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

v / Applications

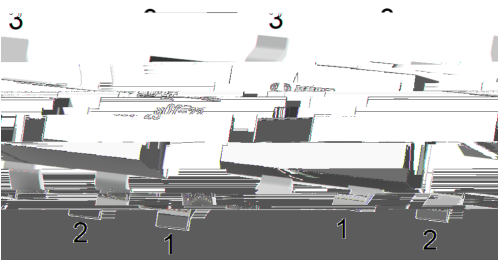
 i q 3 3 n i 0BJ i 0

Switching applications, interface circuit and driver circuit applications, Meet the stringent requirements of automotive applications.

J ã / Equivalent Circuit



ã / 0 / Pinning



PIN 1 IN PIN 2 GND PIN 3 OUT

ã z z H / hFE Classifications & Marking

Marking	Q62
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Parameter	Symbol	Rating	Unit
Supply Voltage	V _{CC}	50	V
Input Voltage	V _{IN}	12	V
		-5	V
Output Current	I _O	100	mA
Power Dissipation	P _D	200	mW
Junction Temperature	T _j	-55˚ 150	
Storage Temperature Range	T _{stg}	-55˚ 150	

Parameter

Symbol

BRDTC123YKAQ

Rev.A Mar.-2025



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

电气特性 / Electrical Characteristic Curve

Ø □ =) ¢ / Package Dimensions

, M y f / Marking Instructions

Q62

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62 y ° Z W A

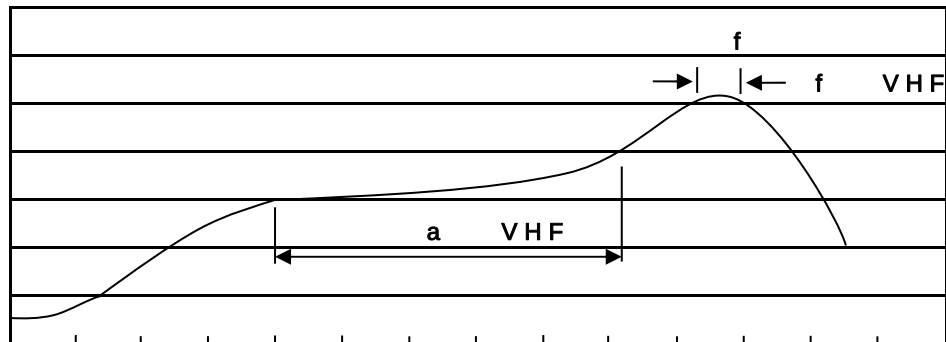
Note:

Q: Automobile halogen-free product Code

62 y Product Type Code

šWD t...•Žč (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

7HPSHUDWXUH



7LPH VHF

a č y

Note:

- 10• Ä ½ “† 150 ½200 - k ž • 60 ½120sec; 1.Preheating:150~200 - , Time:60~120sec.
- 20• Q > “† 255 r5 - k ž • 4 Ò 5 r0.5sec; 2.Peak Temp.:255 r5 - , Duration:5 r0.5sec.
- 30•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 ;>û H					Dimension ;>û p . (unit Åmm³)		
	Units/Reel /-	Reels/Inner Box -- /-	Units/Inner Box /-	Inner Boxes/Outer Box - /1ç	Units/Outer Box /1ç	Reel	Inner Box	Outer Boxç
SOT-23	3,000	10	30,000	6	180,000	7 T×8	180×120×180	390×385×205

„Đ y f / Notices