/ Descriptions

VRW0656 ṂṂ Ł QSQ ÆṀ ч s ǁ ˀ Silicon NPN transistor in a SOT-323 Plastic Package.

/ Features

S_F ᶻ /k_{IH} ᶻ ħ ⸗ ớ Ḅ/љ <345 Z Ӥ ´

High P_C and $h_{FE,}$ excellent h_{FE} linearity, complementary pair with 9012W.

/ Applications

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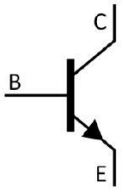
Amplifier of portable radios in class B push-pull operation.

/ Equivalent Circuit



/ Pinning



PIN1 χ Emitter PIN 2 χ Base PIN 3 χ Collector

/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	D	E	F	G	H	I
h_{FE} Range	64 91	78 112	96 135	112 166	144 202	188 276
Marking	HJ3D	HJ3E	HJ3F	HJ3G	HJ3H	HJ3I

v ̈Ω̣ Parameter	ɬ N Symbol	̈Ω̣Ö Rating	D Ɉ Unit
Collector to Base Voltage	V_{CBO}	40	V
Collector to Emitter Voltage	V_{CEO}	20	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current	I_C	500	mA
Base Current	I_B	100	mA
Collector Power Dissipation	P_C	350	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

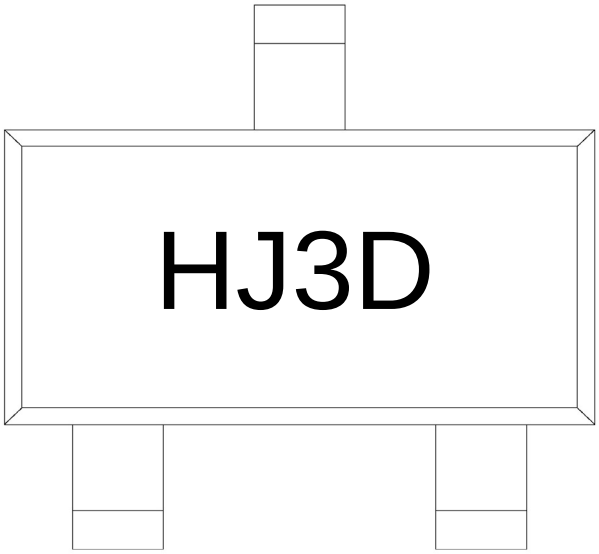
v ̈Ω̣ Parameter	ɬ N Symbol	⊥⊥ ;ɬ T Test Conditions	ω̣ ṇ Ö Min	Ɛ ʒ Ö Typ	ω̣ ʑ Ö Max	D Ɉ Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=0.1mA I_E=0	40			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=1.0mA I_B=0	20			V

/ Electrical Characteristic Curve





/ Marking Instructions



ب ˝ χ

K χ ⱶ ʒ ᴵ Ɱ

M6 χ ⱶ ʒ ᴺ Ɱ

G χ ⱶ h_{FE} ⁶ Ⱶ Ɱ

Note:

K χ Company Code

M6 χ Product Type Code

G χ h_{FE} Classifications Symbol Code