

**BR2SB772TQ**  
Rev.B May.-2024

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	-40	V
Collector to Emitter Voltage	$V_{CEO}$	-40	V
Emitter to Base Voltage	$V_{EBO}$	-5.0	V
Collector Current-Continuous	$I_C$	-3.0	A
Collector Power Dissipation	$P_C$	500	mW
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	$V_{CBO}$	$I_C=-100\text{ A}$ $I_E=0$	-40			V
Collector to Emitter Breakdown Voltage	$V_{CEO}$	$I_C=-1\text{mA}$ $I_B=0$	-40			V
Collector Cut-Off Current	$I_{CBO}$	$V_{CB}=-30\text{V}$ $I_E=0$			-1.0	A
Emitter Base Cut-Off Current	$I_{EBO}$	$V_{EB}=-3.0\text{V}$ $I_C=0$			-1.0	A
DC Current Gain	$h_{FE(1)}$	$V_{CE}=-2.0\text{V}$ $I_C=-1.0\text{A}$	60	160	400	
	$h_{FE(2)}$	$V_{CE}=-2.0\text{V}$ $I_C=-20\text{mA}$	30	220		
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-2.0\text{A}$ $I_B=-0.2\text{A}$		-0.3	-0.5	V
Base to Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=-2.0\text{A}$ $I_B=-0.2\text{A}$		-1.0	-2.0	V

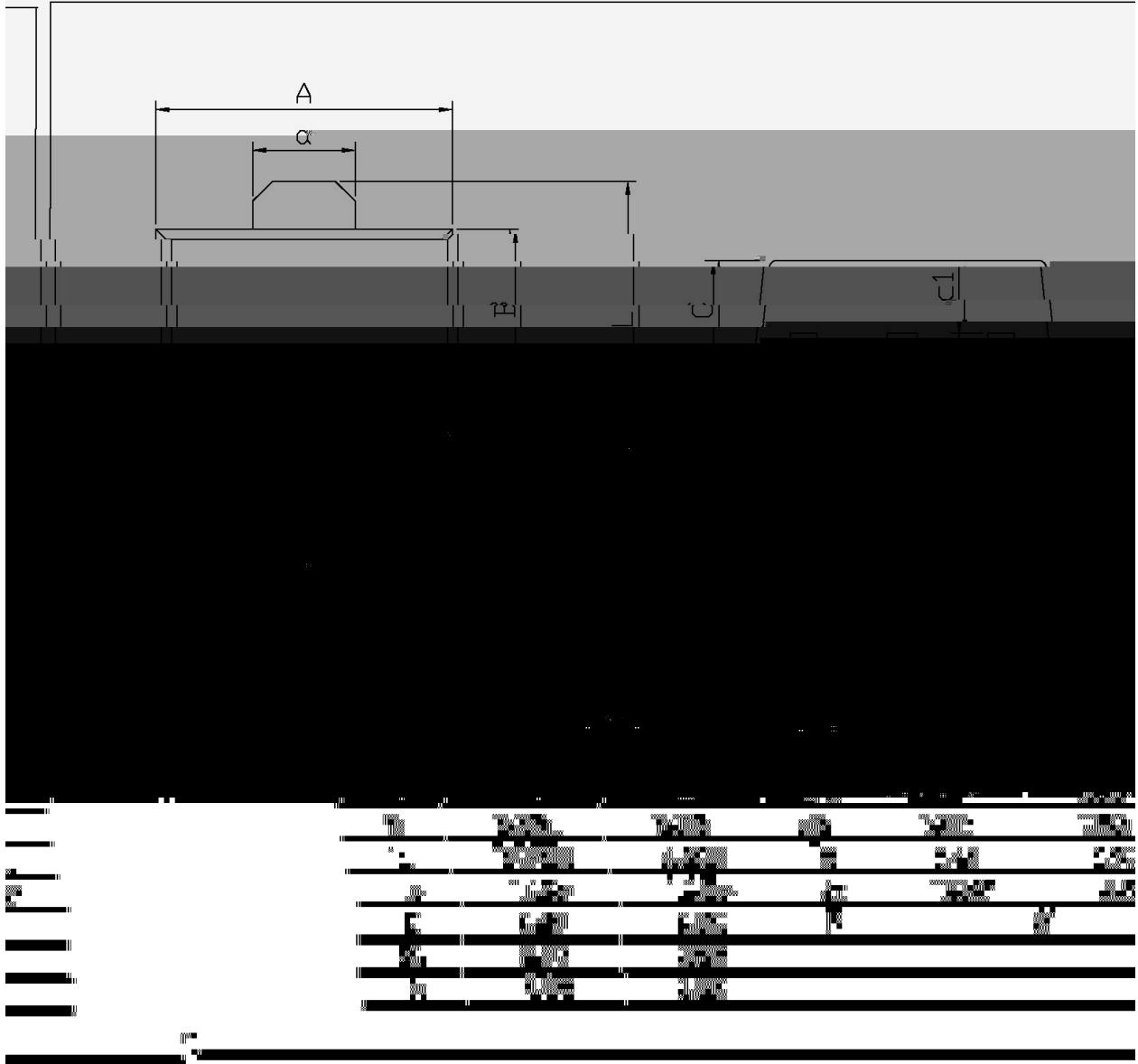
/ Electrical Characteristic Curve



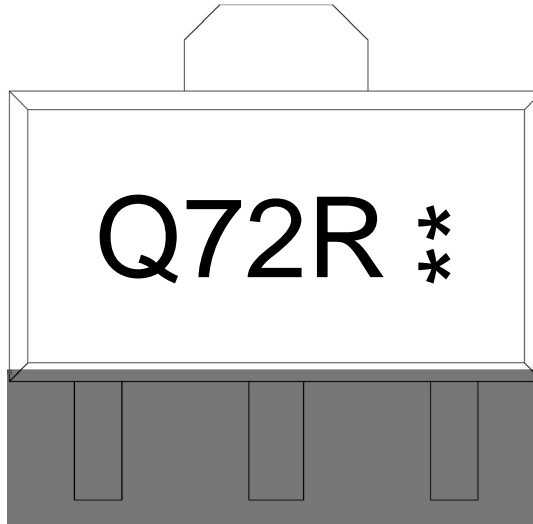
/ Package Dimensions

Y S U I = 8 9

单位: mm



/ Marking Instructions



Note:

Q: Automobile halogen-free product Code

72: Product Type Code

R  $h_{FE}$  Classifications Symbol

\*\* : Lot No. Code, code change with Lot No

**BR2SB772TQ**  
Rev.B May.-2024