

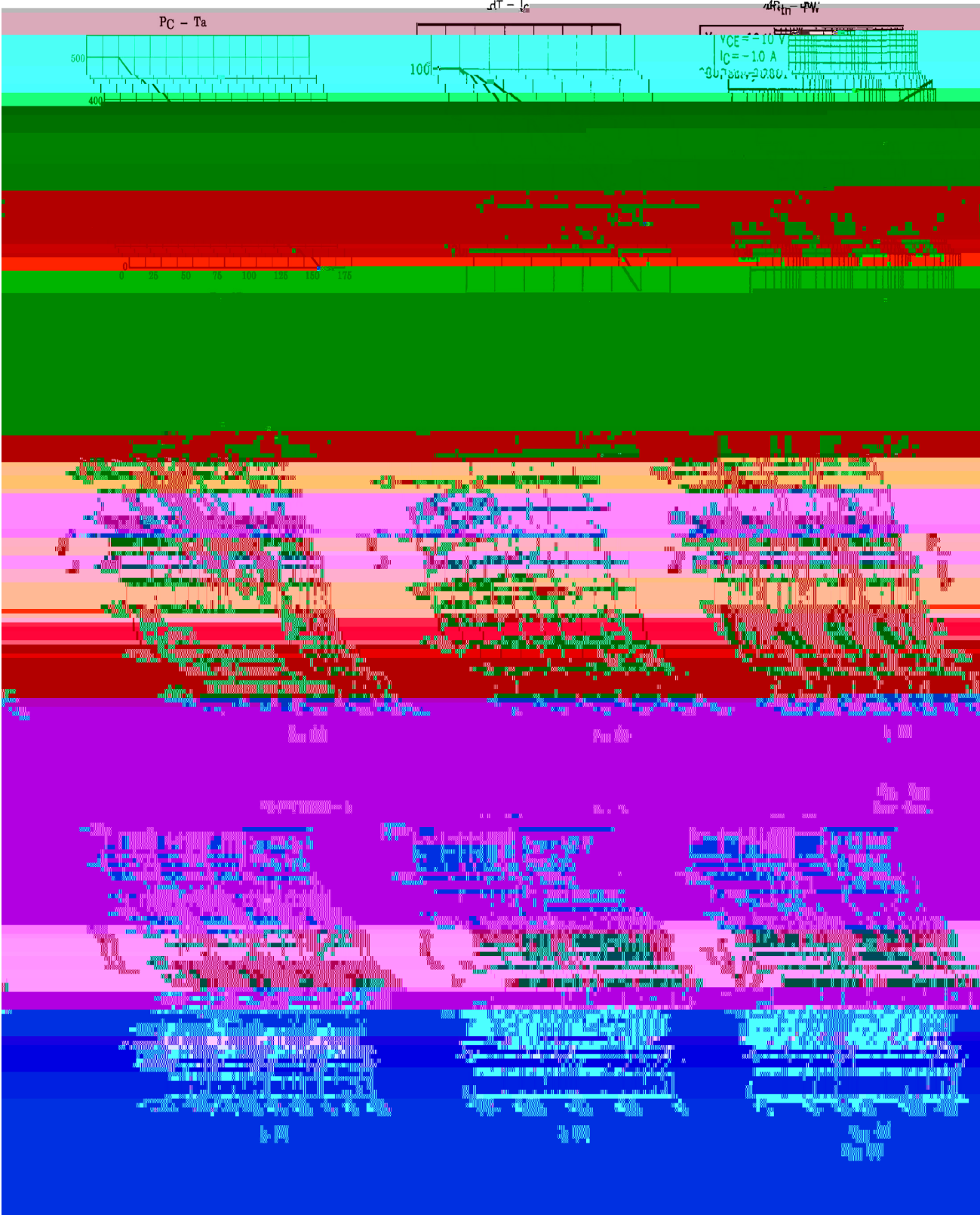
BR2SB772TQ
Rev.B May.-2024



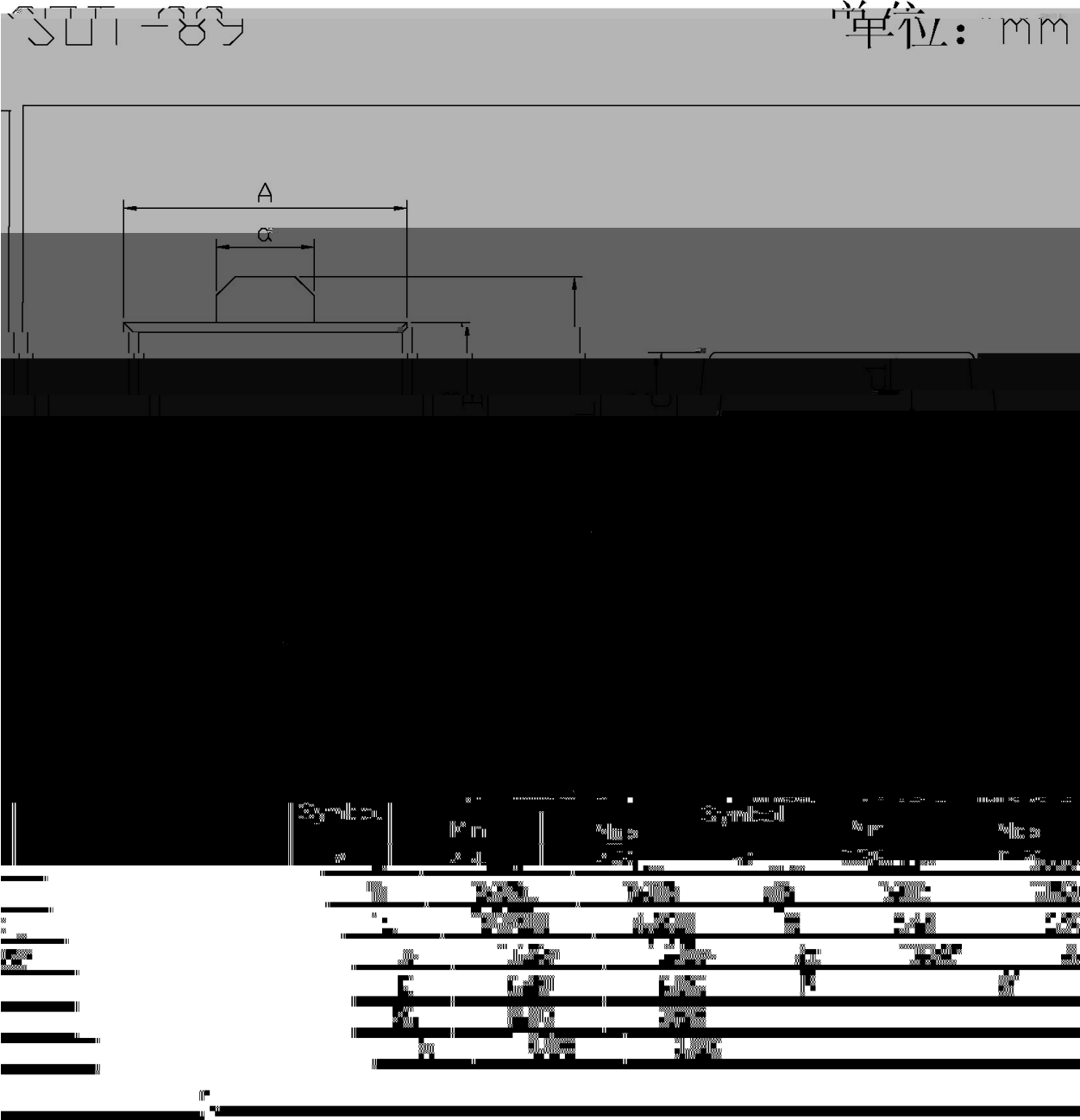
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-40	V
Collector to Emitter Voltage	V_{CEO}	-40	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current-Continuous	I_C	-3.0	A
Collector Power Dissipation	P_C	500	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

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

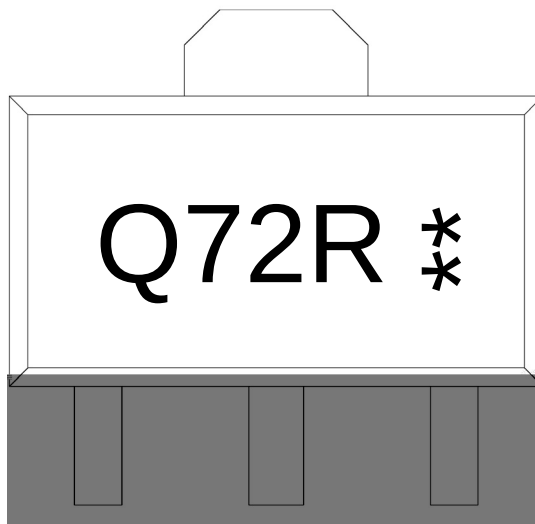
/ Electrical Characteristic Curve



/ Package Dimensions



/ 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

