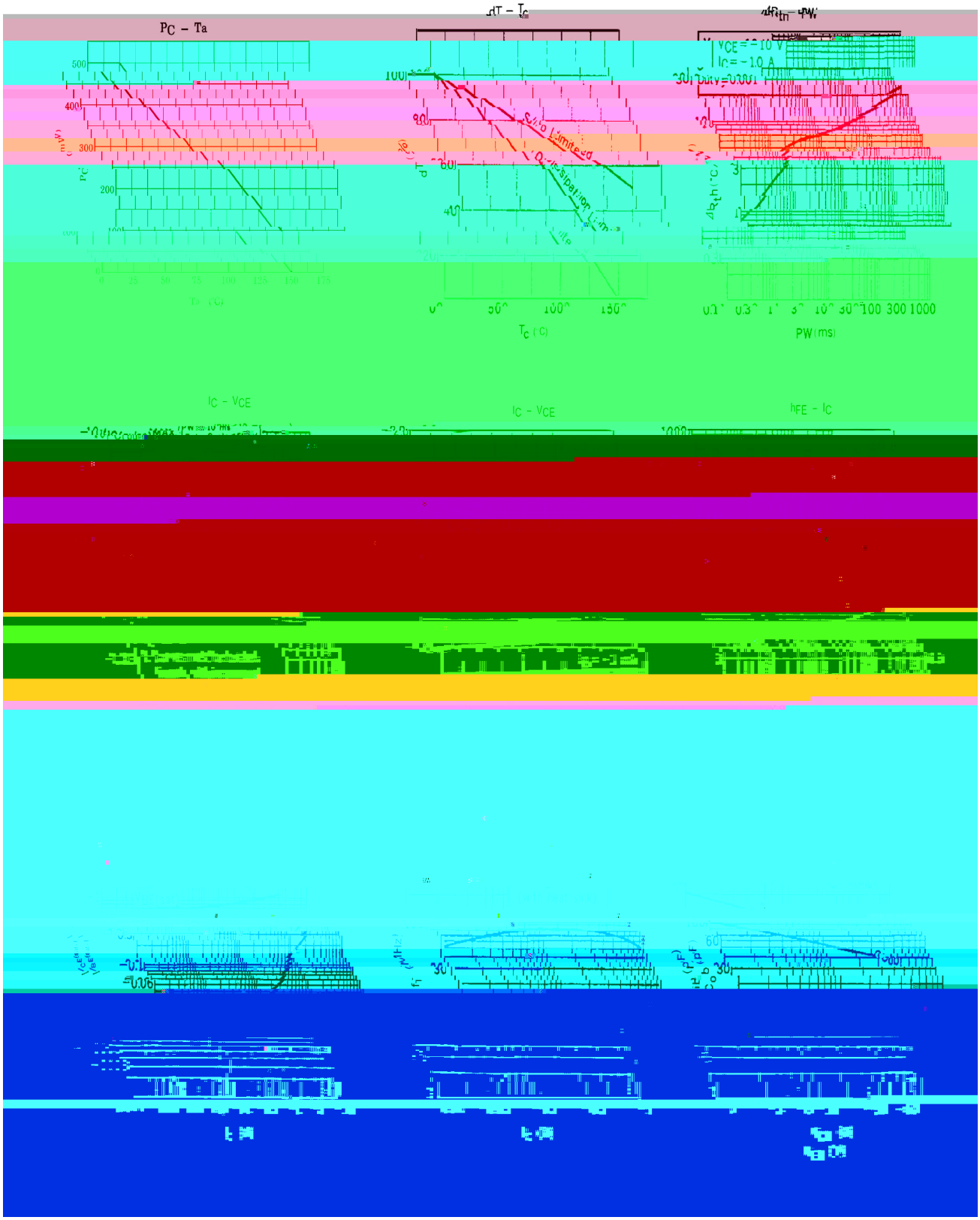
SOT-89 PNP

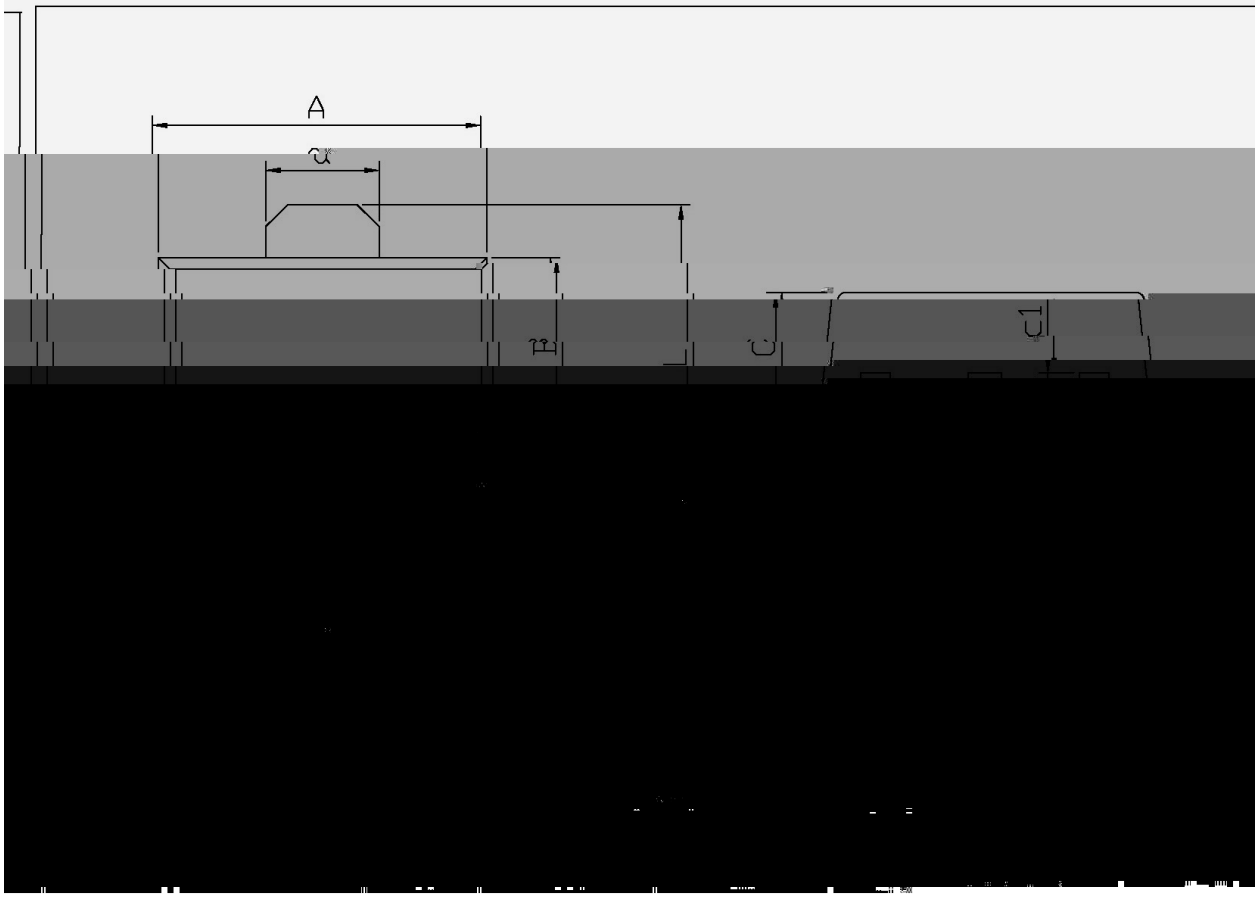
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-40	V
Collector to Emitter Voltage	V_{CEO}	-40	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current-Continuous	I_C	-3.0	A
Collector Power Dissipation	P_C	500	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

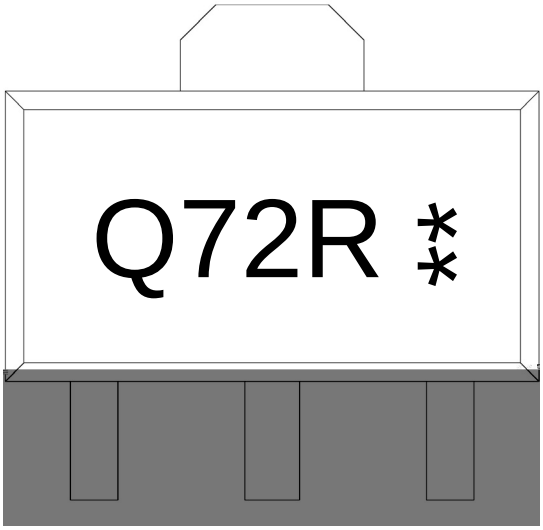
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	I_C=-100μA I_E=0	-40			V
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=-1mA I_B=0	-40			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=-30V I_E=0			-1.0	μA
Emitter Base Cut-Off Current	I_{EBO}	V_{EB}=-3.0V 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


PC – Ta
500
400
300
200
100
PC (mW)
0
25
50
75
100
125
150
175
Ta (°C)
PT – TC
100
80
60
40
20
0
Silicon Limited
Dissipation Limited
PT (W)
0
50
100
150
TC (°C)
rth – PW
VCE = −10 V
IC = −1.0 A
Duty=0.001
0.3
0.1
0.03
0.01
0.003
0.001
rth (°C/W)
0.3
1
3
10
30
100
300
1000
PW (ms)
IC – VCE
IC – VCE
hFE – IC

SOT-89

单位：mm





Q

72

R h_{FE}

**

Note:

Q: Automobile halogen-free product Code

72: Product Type Code

R h_{FE} Classifications Symbol

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