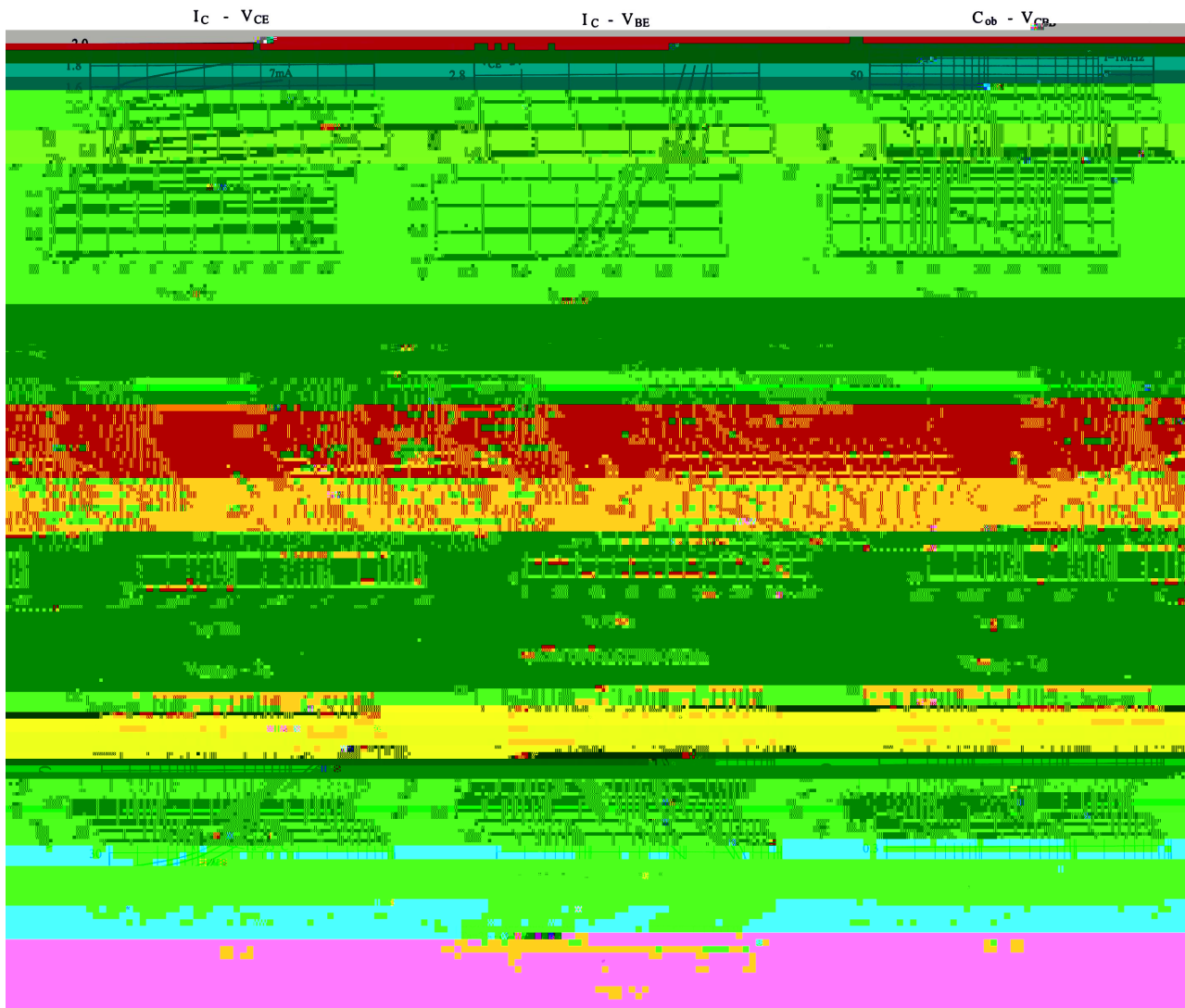


Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	60	V
Collector to Emitter Voltage	V_{CEO}	50	V
Emitter to Base Voltage	V_{EBO}	6.0	V
Collector Current - Continuous	I_C	3.0	A
Collector Current – Continuous Pulse	I_{CP}	6.0	A
Collector Power Dissipation	P_C	500	mW
Collector Power Dissipation*	* P_C	1.0	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

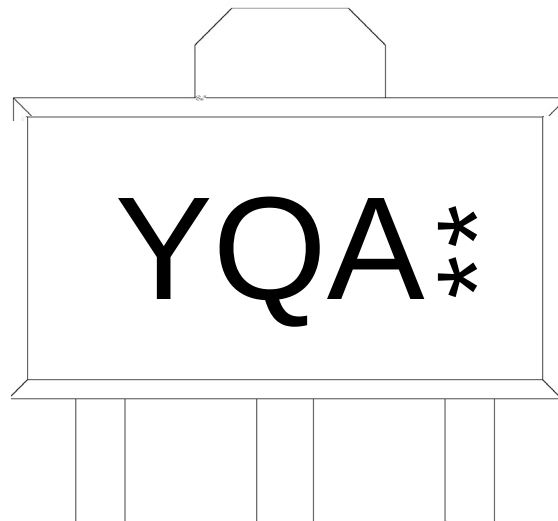
*:Package mounted on ceramic substrate(250mm²×0.8t)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C=10\mu A$ $I_E=0$	60			V
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=1.0mA$ $I_B=0$	50			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E=10\mu A$ $I_C=0$	6.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=40V$ $I_E=0$			1.0	μA
Emitter Base Cut-Off Current	I_{EBO}	$V_{EB}=4.0V$ $I_C=0$			1.0	μA
DC Current Gain	$h_{FE(1)}$	$V_{CE}=2.0V$ $I_C=100mA$	100		400	
	$h_{FE(2)}$	$V_{CE}=2.0V$ $I_C=3.0A$	35			
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=2.0A$ $I_B=100mA$		0.19	0.5	V
Base to Emitter Voltage	V_{BE}	$I_C=2.0A$ $I_B=100mA$		0.94	1.2	V
Transition Frequency	f_T	$V_{CE}=10V$ $I_C=50mA$		150		MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=10V$ $I_E=0$ $f=1MHz$		25		pF
Turn-On Time	t_{on}	$10I_{B1}=-10I_{B2}=I_C=1.0A$		70		nS
Storage Time	t_{stg}			650		nS
Fall Time	t_f			35		nS





序号	名称	单位	数量
1	1.1	1.1	1.1
2	2.1	2.1	2.1
3	3.1	3.1	3.1
4	4.1	4.1	4.1
5	5.1	5.1	5.1
6	6.1	6.1	6.1
7	7.1	7.1	7.1
8	8.1	8.1	8.1
9	9.1	9.1	9.1
10	10.1	10.1	10.1
11	11.1	11.1	11.1
12	12.1	12.1	12.1
13	13.1	13.1	13.1
14	14.1	14.1	14.1
15	15.1	15.1	15.1
16	16.1	16.1	16.1
17	17.1	17.1	17.1
18	18.1	18.1	18.1
19	19.1	19.1	19.1
20	20.1	20.1	20.1
21	21.1	21.1	21.1
22	22.1	22.1	22.1
23	23.1	23.1	23.1
24	24.1	24.1	24.1
25	25.1	25.1	25.1
26	26.1	26.1	26.1
27	27.1	27.1	27.1
28	28.1	28.1	28.1
29	29.1	29.1	29.1
30	30.1	30.1	30.1
31	31.1	31.1	31.1
32	32.1	32.1	32.1
33	33.1	33.1	33.1
34	34.1	34.1	34.1
35	35.1	35.1	35.1
36	36.1	36.1	36.1
37	37.1	37.1	37.1
38	38.1	38.1	38.1
39	39.1	39.1	39.1
40	40.1	40.1	40.1
41	41.1	41.1	41.1
42	42.1	42.1	42.1
43	43.1	43.1	43.1
44	44.1	44.1	44.1
45	45.1	45.1	45.1
46	46.1	46.1	46.1
47	47.1	47.1	47.1
48	48.1	48.1	48.1
49	49.1	49.1	49.1
50	50.1	50.1	50.1
51	51.1	51.1	51.1
52	52.1	52.1	52.1
53	53.1	53.1	53.1
54	54.1	54.1	54.1
55	55.1	55.1	55.1
56	56.1	56.1	56.1
57	57.1	57.1	57.1
58	58.1	58.1	58.1
59	59.1	59.1	59.1
60	60.1	60.1	60.1
61	61.1	61.1	61.1
62	62.1	62.1	62.1
63	63.1	63.1	63.1
64	64.1	64.1	64.1
65	65.1	65.1	65.1
66	66.1	66.1	66.1
67	67.1	67.1	67.1
68	68.1	68.1	68.1
69	69.1	69.1	69.1
70	70.1	70.1	70.1
71	71.1	71.1	71.1
72	72.1	72.1	72.1
73	73.1	73.1	73.1
74	74.1	74.1	74.1
75	75.1	75.1	75.1
76	76.1	76.1	76.1
77	77.1	77.1	77.1
78	78.1	78.1	78.1
79	79.1	79.1	79.1
80	80.1	80.1	80.1
81	81.1	81.1	81.1
82	82.1	82.1	82.1
83	83.1	83.1	83.1
84	84.1	84.1	84.1
85	85.1	85.1	85.1
86	86.1	86.1	86.1
87	87.1	87.1	87.1
88	88.1	88.1	88.1
89	89.1	89.1	89.1
90	90.1	90.1	90.1
91	91.1	91.1	91.1
92	92.1	92.1	92.1
93	93.1	93.1	93.1
94	94.1	94.1	94.1
95	95.1	95.1	95.1
96	96.1	96.1	96.1
97	97.1	97.1	97.1
98	98.1	98.1	98.1
99	99.1	99.1	99.1
100	100.1	100.1	100.1



Y

Q

A

h_{FE}

**

Note:

Y: Product Type.

Q: Automobile halogen-free product Code

A h_{FE} Classifications Symbol

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

Rev.A Apr.-2023
