查询KTC3208供应商 捷多邦，专业PCB打样工厂，24小时加急出货

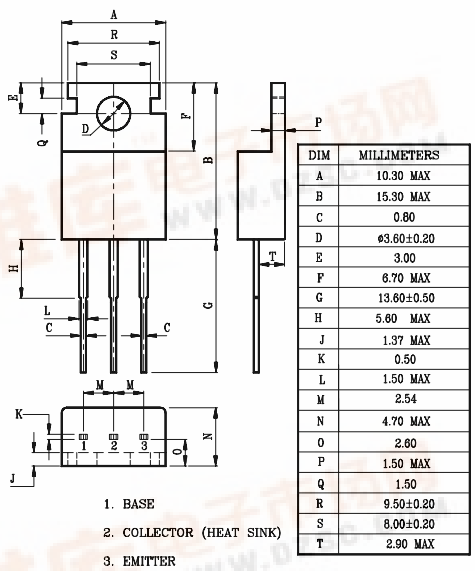
KEL
KOREA ELECTRONICS CO.,LTD.

SEMICONDUCTOR
TECHNICAL DATA

KTC3208
TRIPLE DIFFUSED NPN TRANSISTOR

COLOR TV CHROMA OUTPUT APPLICATION.

FEATURES
- High Voltage : V_{CEO}=300V.
- Small Collector Output Capacitance : C_{ob}=5.0pF(Typ.).
- High Transition Frequency : f_T=100MHz(Typ.).



DIM	MILLIMETERS
A	10.30 MAX
B	15.30 MAX
C	0.80
D	ø3.60±0.20
E	3.00
F	6.70 MAX
G	13.60±0.50
H	5.60 MAX
J	1.37 MAX
K	0.50
L	1.50 MAX
M	2.54
N	4.70 MAX
O	2.60
P	1.50 MAX
Q	1.50
R	9.50±0.20
S	8.00±0.20
T	2.90 MAX

TO-220AB

MAXIMUM RATINGS (Ta=25℃)

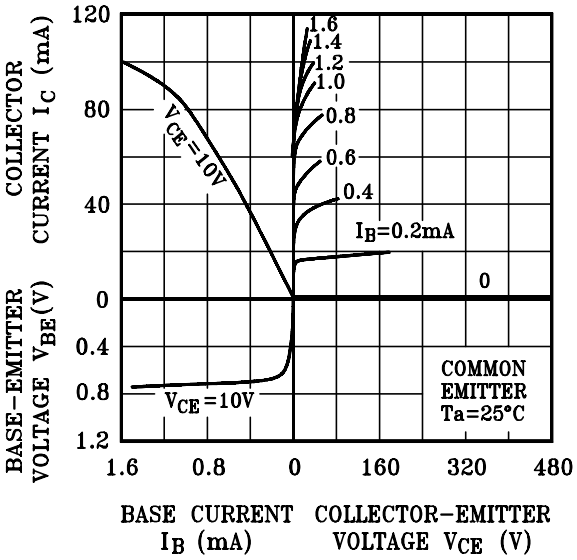
CHARACTERISTIC		SYMBOL	RATING	UNIT
Collector-Base Voltage		V_{CBO}	300	V
Collector-Emitter Voltage		V_{CEO}	300	V
Emitter-Base Voltage		V_{EBO}	5	V
Collector Current		I_C	150	mA
Emitter Current		I_E	-150	mA
Collector Power Dissipation	Ta=25℃	P_C	2	W
	Tc=25℃		12.5	
Junction Temperature		T_j	150	℃
Storage Temperature Range		T_{stg}	-55～150	℃

ELECTRICAL CHARACTERISTICS (Ta=25℃)

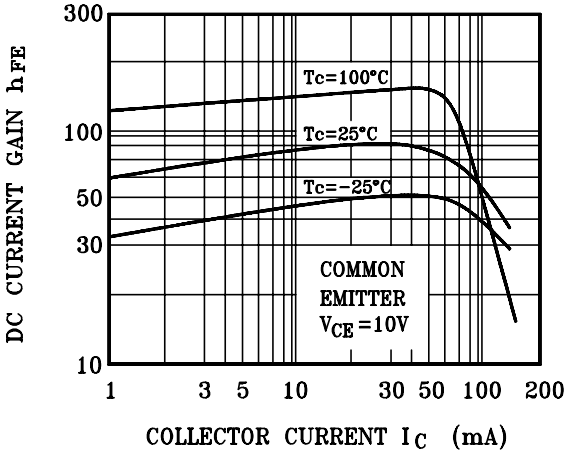
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	V_{CB}=100V, I_E=0	-	-	0.1	μA
Emitter Cut-off Current	I_{EBO}	V_{EB}=5V, I_C=0	-	-	1.0	μA
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	I_C=5mA, I_B=0	300	-	-	V
DC Current Gain	h_{FE}	V_{CE}=10V, I_C=50mA	40	-	170	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=100mA, I_B=20mA	-	-	1.0	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	I_C=100mA, I_B=20mA	-	-	1.2	V
Transition Frequency	f_T	V_{CE}=10V, I_C=30mA	40	100	-	MHz
Collector Output Capacitance	C_{ob}	V_{CB}=50V, I_E=0, f=1MHz	-	5.0	6.5	pF

找PDF 维库一下 pdf.dzsc.com

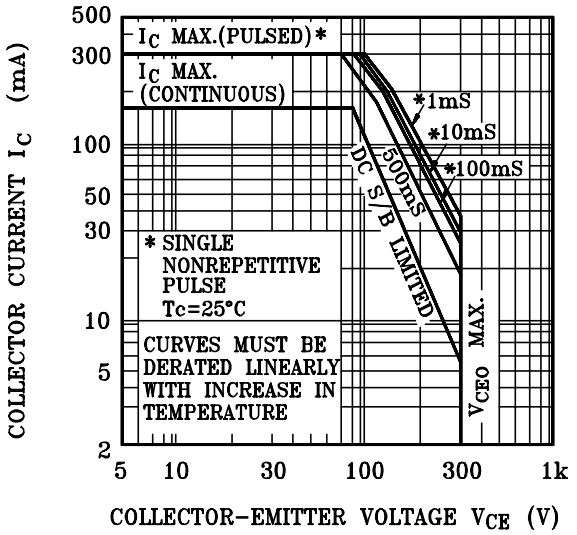
STATIC CHARACTERISTICS



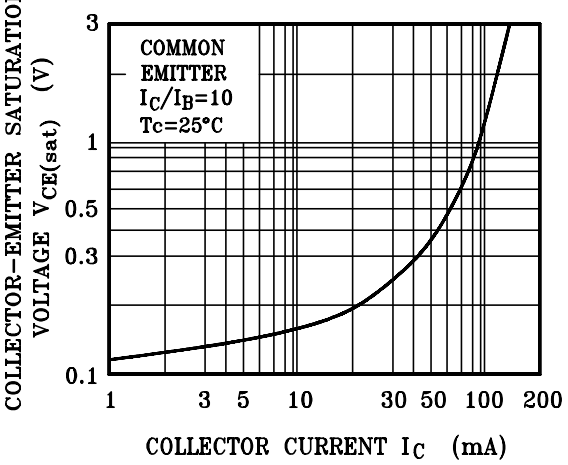
h_{FE} – I_C



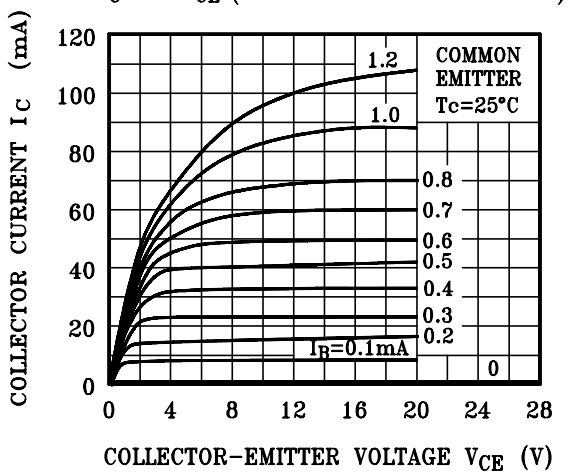
SAFE OPERATING AREA

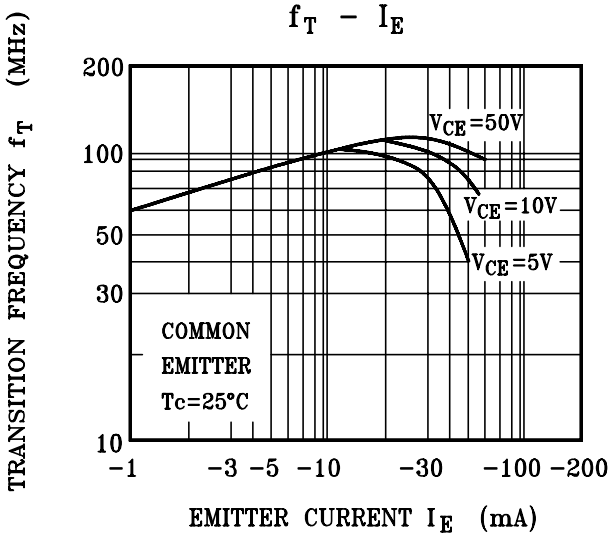


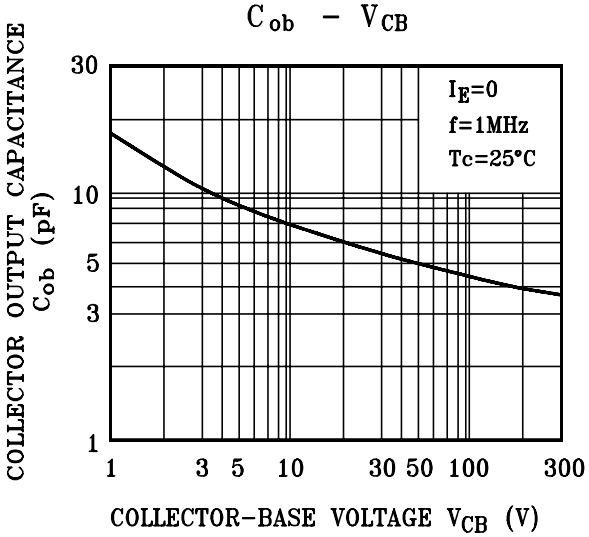
$V_{CE(sat)}$ – I_C



I_C – V_{CE} (LOW VOLTAGE REGION)




f_T – I_E
TRANSITION FREQUENCY f_T (MHz)
200
100
50
30
10
V_{CE}=50V
V_{CE}=10V
V_{CE}=5V
COMMON
EMITTER
Tc=25°C
−1
−3 −5 −10
−30
−100 −200
EMITTER CURRENT I_E (mA)


C_{ob} – V_{CB}
COLLECTOR OUTPUT CAPACITANCE C_{ob} (pF)
30
10
5
3
1
I_E=0
f=1MHz
Tc=25°C
1
3 5 10
30 50 100
300
COLLECTOR-BASE VOLTAGE V_{CB} (V)