查询KTA1273供应商 捷多邦，专业PCB打样工厂，24小时加急出货

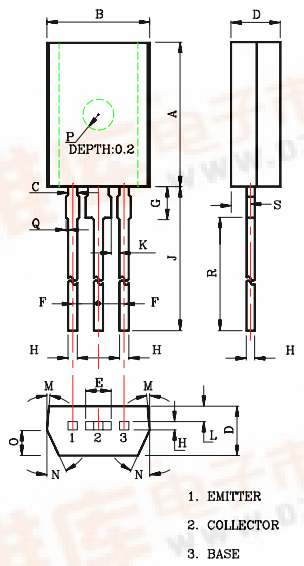
KEL
KOREA ELECTRONICS CO.,LTD.

SEMICONDUCTOR
TECHNICAL DATA

KTA1273
EPITAXIAL PLANAR PNP TRANSISTOR

HIGH CURRENT APPLICATION.

FEATURES
- Complementary to KTC3205.



DIM	MILLIMETERS
A	7.20 MAX
B	5.20 MAX
C	0.60 MAX
D	2.50 MAX
E	1.15 MAX
F	1.27
G	1.70 MAX
H	0.55 MAX
J	14.00± 0.50
K	0.35 MIN
L	0.75± 0.10
M	4°
N	25°
O	1.25
P	ø1.50
Q	0.10 MAX
R	12.50± 0.50
S	1.00

TO-92L

MAXIMUM RATINGS (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	-30	V
Collector-Emitter Voltage	V_{CEO}	-30	V
Emitter-Base Voltage	V_{EBO}	-5	V
Collector Current	I_C	-2	A
Emitter Current	I_E	2	A
Collector Power Dissipation	P_C	1	W
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}=-30V, I_E=0	-	-	-100	nA
Emitter Cut-off Current	I_{EBO}	V_{EB}=-5V, I_C=0	-	-	-100	nA
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	I_C=-10mA, I_B=0	-30	-	-	V
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	I_C=-1mA, I_C=0	-5	-	-	V
DC Current Gain	h_{FE}(Note)	V_{CE}=-2V, I_C=-500mA	100	-	320	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=-1.5A, I_B=-0.03A	-	-	-2.0	V
Base-Emitter Voltage	V_{BE}	V_{CE}=-2V, I_C=-500mA	-	-	-1.0	V
Transition Frequency	f_T	V_{CE}=-2V, I_C=-500mA	-	120	-	MHz
Collector Output Capacitance	C_{ob}	V_{CB}=-10V, I_E=0, f=1MHz	-	48	-	pF

Note : h_{FE}(1) Classification 0:100～200, Y:160～320

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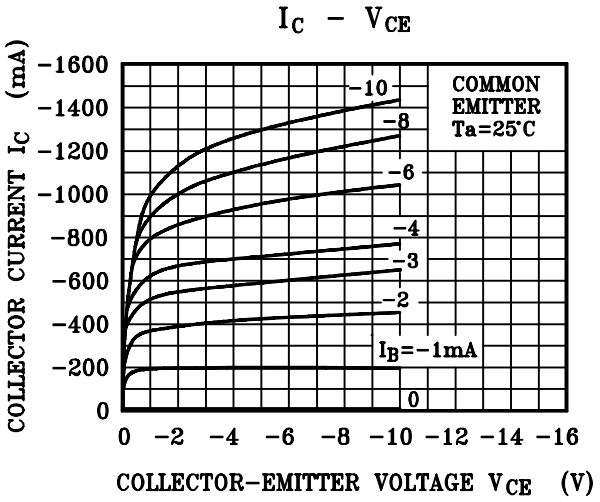
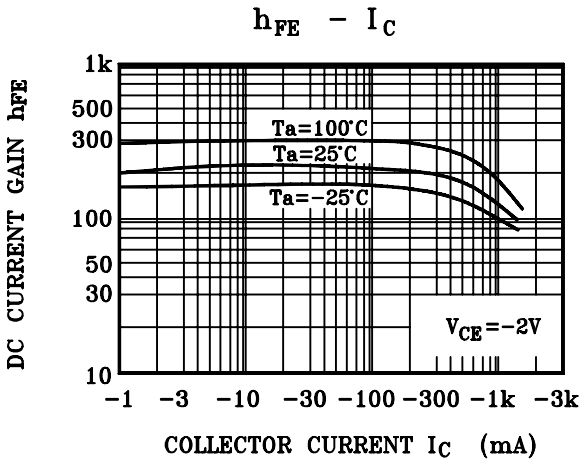
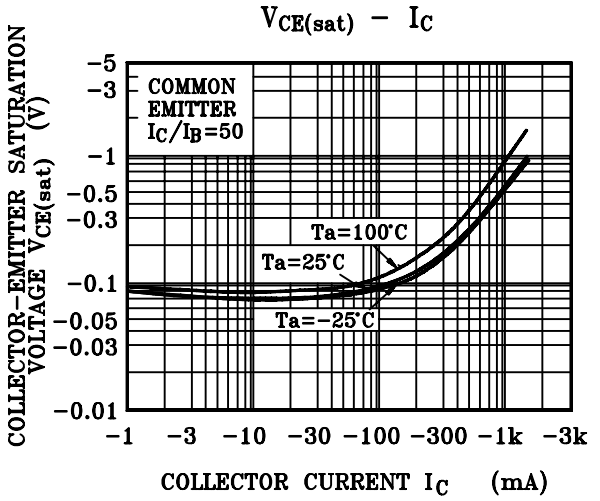
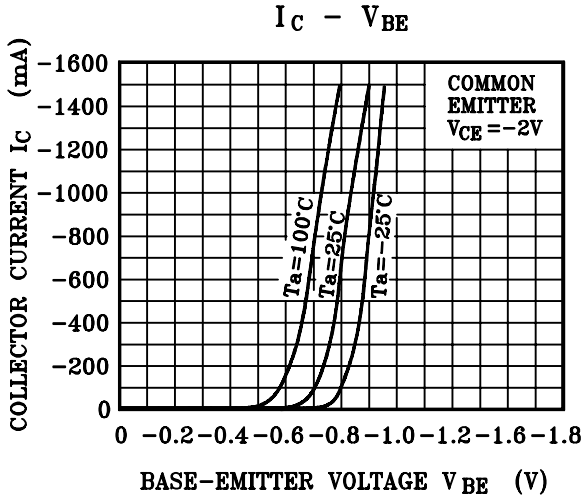
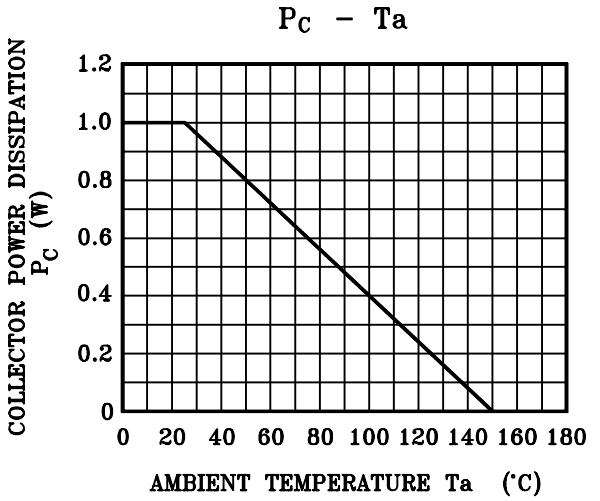
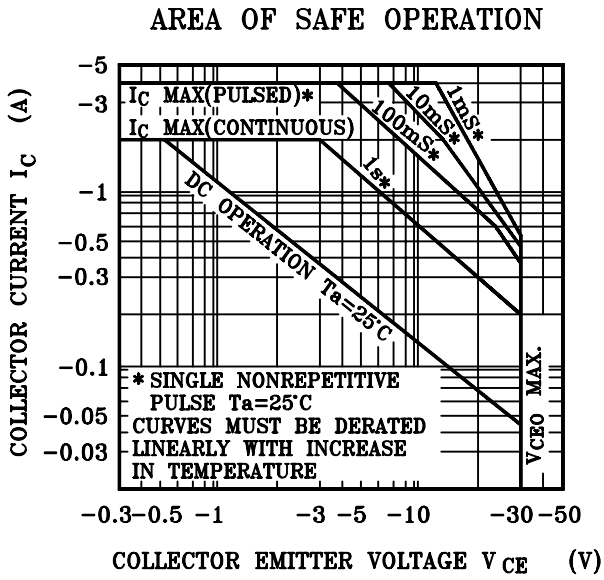

I_C – V_{CE}
COLLECTOR CURRENT I_C (mA)
COLLECTOR–EMITTER VOLTAGE V_{CE} (V)
COMMON EMITTER
Ta=25°C
I_B=−1mA
−10
−8
−6
−4
−3
−2
0


h_{FE} – I_C
DC CURRENT GAIN h_{FE}
COLLECTOR CURRENT I_C (mA)
Ta=100°C
Ta=25°C
Ta=−25°C
V_{CE}=−2V


$V_{CE(sat)}$ – I_C
COLLECTOR–EMITTER SATURATION VOLTAGE $V_{CE(sat)}$ (V)
COLLECTOR CURRENT I_C (mA)
COMMON EMITTER
I_C/I_B=50
Ta=100°C
Ta=25°C
Ta=−25°C


I_C – V_{BE}
COLLECTOR CURRENT I_C (mA)
BASE–EMITTER VOLTAGE V_{BE} (V)
COMMON EMITTER
V_{CE}=−2V
Ta=100°C
Ta=25°C
Ta=−25°C


P_C – Ta
COLLECTOR POWER DISSIPATION P_C (W)
AMBIENT TEMPERATURE Ta (°C)


AREA OF SAFE OPERATION
COLLECTOR CURRENT I_C (A)
COLLECTOR EMITTER VOLTAGE V_{CE} (V)
I_C MAX(PULSED)*
I_C MAX(CONTINUOUS)
1mS*
10mS*
100mS*
1s*
DC OPERATION Ta=25°C
* SINGLE NONREPETITIVE PULSE Ta=25°C
CURVES MUST BE DERATED LINEARLY WITH INCREASE IN TEMPERATURE
V_{CEO} MAX.