

**KTA1267-O  
KTA1267-Y  
KTA1267-GR**

**PNP General  
Purpose Application**

**Features**

- Halogen free available upon request by adding suffix "-HF"
- Excellent  $h_{FE}$  Linearity:  $h_{FE}(0.1mA)/h_{FE}(2.0mA)=0.95(Typ)$
- Low Noise:  $NF=1.0dB(Typ.)$ ,  $10dB(Max.)$
- Complementary to KTC3199
- Marking: A1267
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

**Maximum Ratings**

Symbol	Rating	Rating	Unit
$V_{CEO}$	Collector-Emitter Voltage	50	V
$V_{CBO}$	Collector-Base Voltage	50	V
$V_{EBO}$	Emitter-Base Voltage	5.0	V
$I_C$	Collector Current	150	mA
$I_E$	Emitter Current	150	A
$P_C$	Collector power dissipation	400	mW
$T_J$	Junction Temperature	-55 to +150	$^{\circ}C$
$T_{STG}$	Storage Temperature	-55 to +150	$^{\circ}C$

**Electrical Characteristics @ 25°C Unless Otherwise Specified**

Symbol	Parameter	Min	Typ	Max	Units
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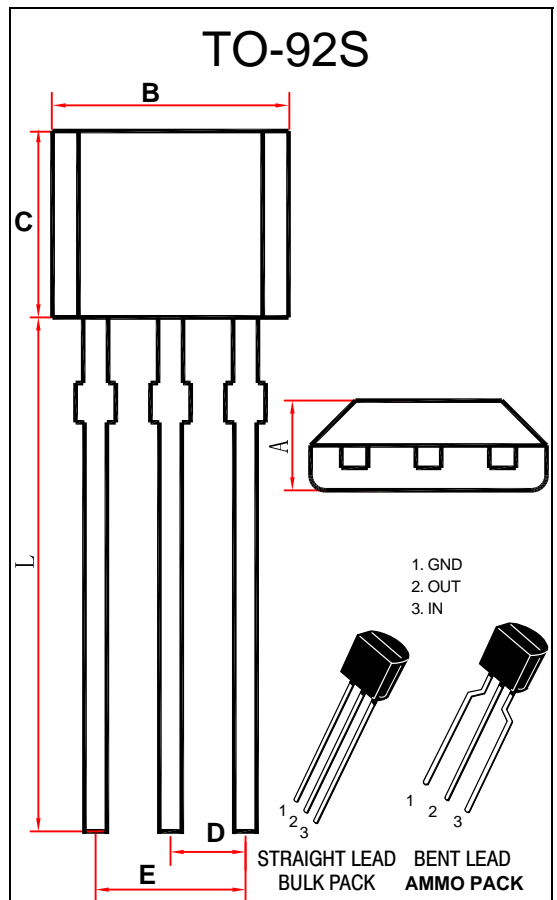
**OFF CHARACTERISTICS**

$I_{CBO}$	Collector-Base Cutoff Current ( $V_{CB}=50Vdc, I_E=0$ )	---	---	0.1	$\mu A_{dc}$
$I_{EBO}$	Emitter-Base Cutoff Current ( $V_{EB}=5.0Vdc, I_C=0$ )	---	---	0.1	$\mu A_{dc}$

**ON CHARACTERISTICS**

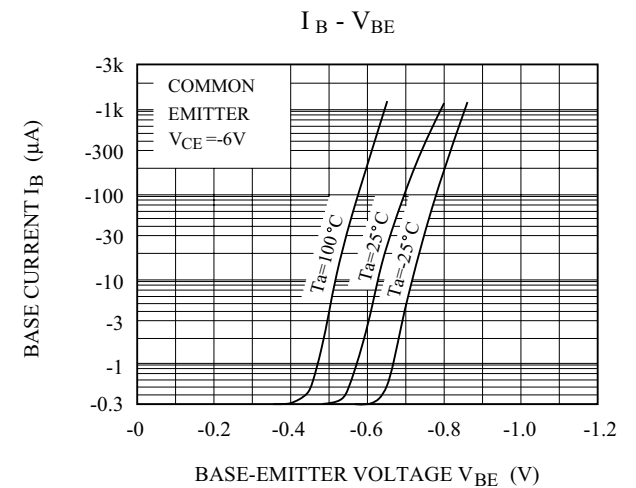
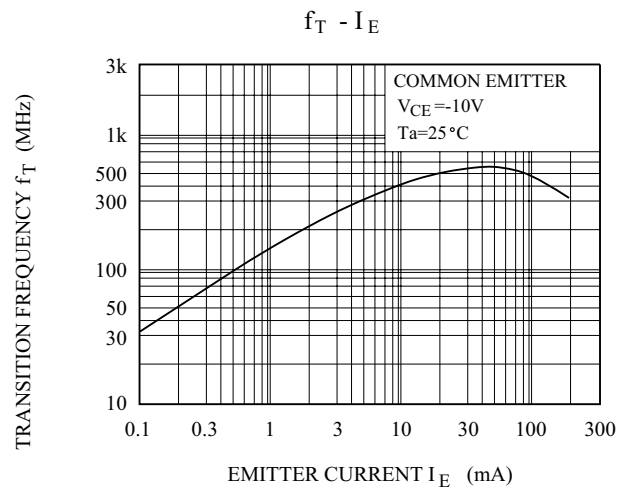
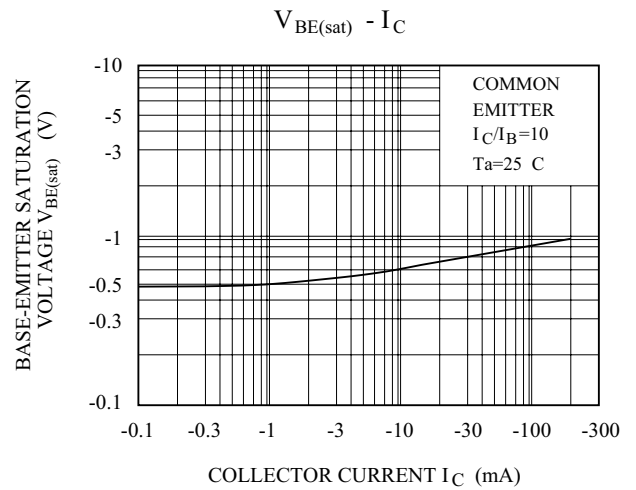
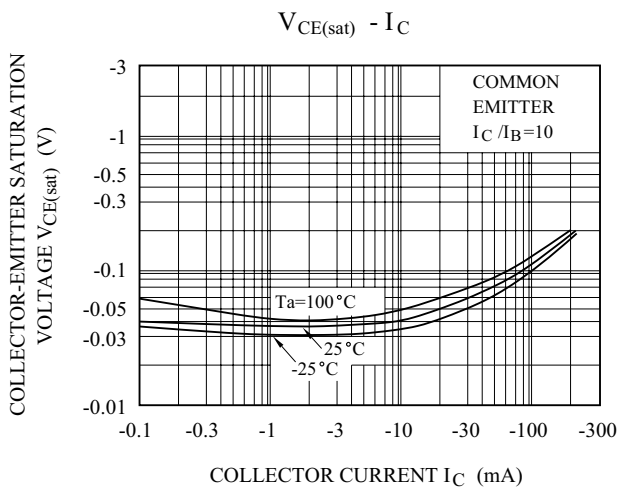
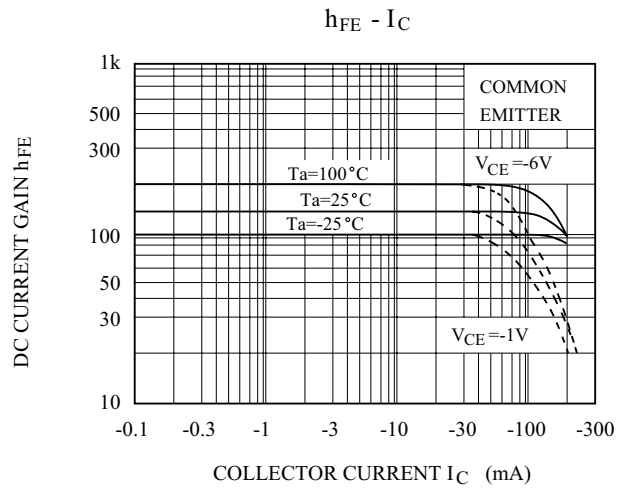
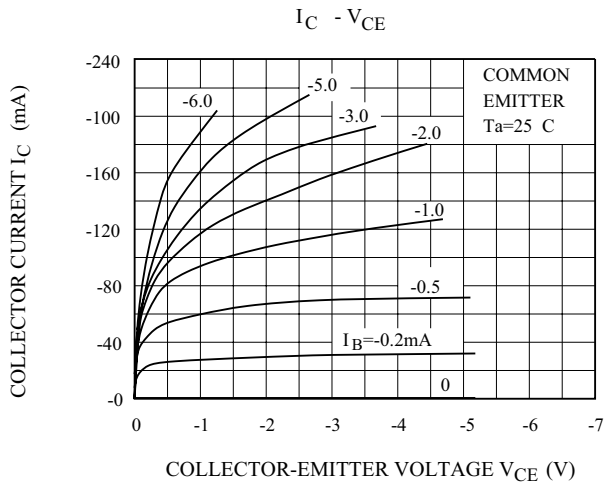
$h_{FE}$	DC Current gain <sup>(1)</sup> ( $I_C=2.0mA_{dc}, V_{CE}=6.0Vdc$ )	70	---	400	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ( $I_C=100mA_{dc}, I_B=10mA_{dc}$ )	---	0.1	0.3	Vdc
$f_T$	Transistor Frequency ( $V_{CE}=10Vdc, I_C=1.0mA_{dc}$ )	80	---	---	MHz
$C_{ob}$	Collector Output Capacitance ( $V_{CB}=10Vdc, I_E=0, f=1.0MHz$ )	---	4.0	7.0	pF
NF	Noise Figure ( $V_{CE}=6.0Vdc, I_C=0.1mA_{dc}, f=1.0kHz, R_g=10KOHM$ )	---	1.0	10	dB

(1)  $h_{FE}$  Classification O: 70~140, Y: 120~240, GR: 200~400

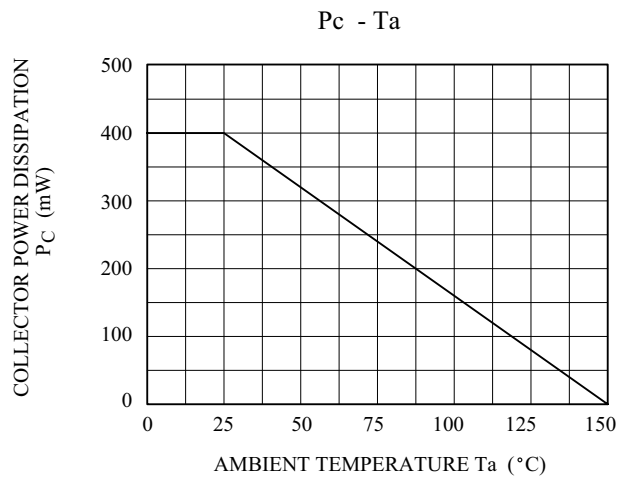


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.056	.064	1.42	1.62	
B	.154	.161	3.90	4.10	
C	.120	.128	3.05	3.25	
D	.050		1.27		Straight Lead Bent Lead
	.086	.110	2.20	2.80	
E	.096	.104	2.44	2.64	Straight Lead Bent Lead
	.173	.220	4.40	5.60	
L	.594	.610	15.10	15.50	

\* For ammo packing detailed specification, click here to visit our website of product packaging for details.



KTA1267



### Ordering Information :

Device	Packing
Part Number-AP	Ammo Packing: 30Kpcs/Carton
Part Number-BP	Bulk: 100Kpcs/Carton

Note : Adding "-HF" suffix for halogen free, eg. Part Number-AP-HF

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