

GENERAL PURPOSE APPLICATION. SWITCHING APPLICATION.

FEATURES

- Excellent h_{FE} Linearity
: $h_{FE}(0.1mA)/h_{FE}(2mA)=0.95$ (Typ.).
- Low Noise : $NF=1dB$ (Typ.), 10dB(Max.).
- Complementary to KTC3875S.
- Suffix U : Qualified to AEC-Q101.
ex) KTA1504S-Y-RTK/PU
- Suffix E : EOS(Electrical Over Stress)
Capacity Enhanced Product.
ex) KTA1504S-Y-RTK/PE
- Suffix UE : Qualified to AEC-Q101 and
EOS(Electrical Over Stress)
Capacity Enhanced Product.
ex) KTA1504S-Y-RTK/PU

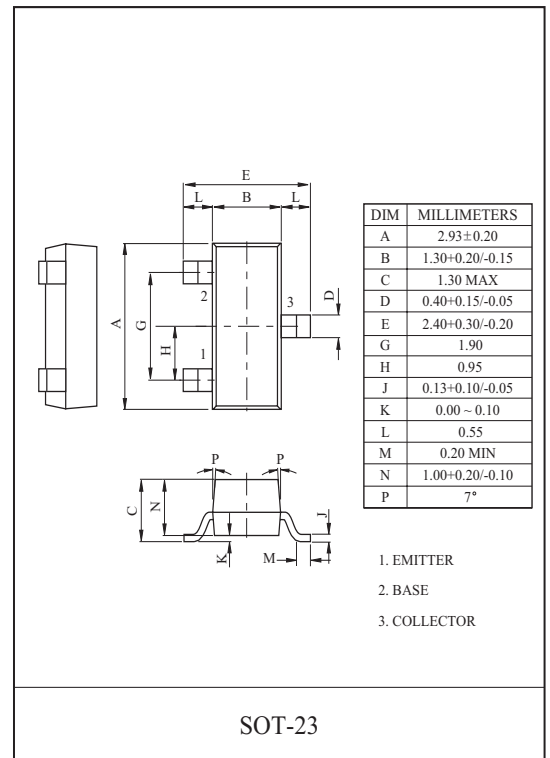
MAXIMUM RATING (Ta=25)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	-50	V
Collector-Emitter Voltage	V_{CEO}	-50	V
Emitter-Base Voltage	V_{EBO}	-5	V
Collector Current	I_C	-150	mA
Base Current	I_B	-30	mA
Collector Power Dissipation	P_C	150	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

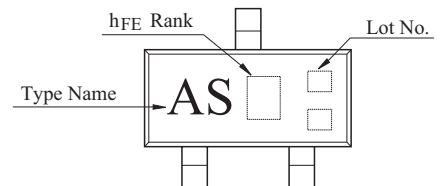
ELECTRICAL CHARACTERISTICS (Ta=25)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB}=-50V, I_E=0$	-	-	-0.1	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB}=-5V, I_C=0$	-	-	-0.1	μA
DC Current Gain	$h_{FE}(\text{Note})$	$V_{CE}=-6V, I_C=-2mA$	70	-	400	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-100mA, I_B=-10mA$	-	-0.1	-0.3	V
Transition Frequency	f_T	$V_{CE}=-10V, I_C=-1mA$	80	-	-	MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=-10V, I_E=0, f=1MHz$	-	4.0	7.0	pF
Noise Figure	NF	$V_{CE}=-6V, I_C=-0.1mA$ $f=1kHz, R_g=10k$	-	1.0	10	dB

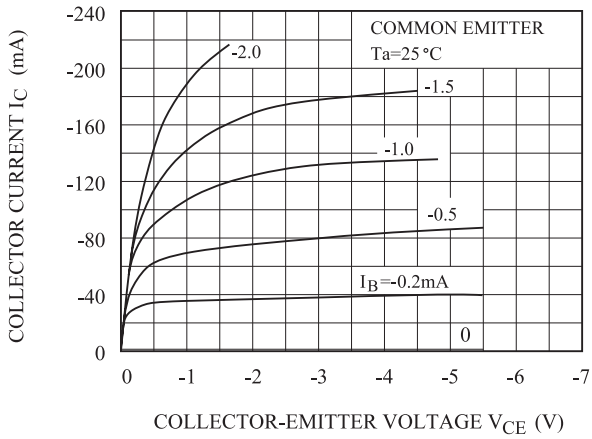
Note : h_{FE} Classification O:70 140 , Y:120 240 , GR(G):200 400



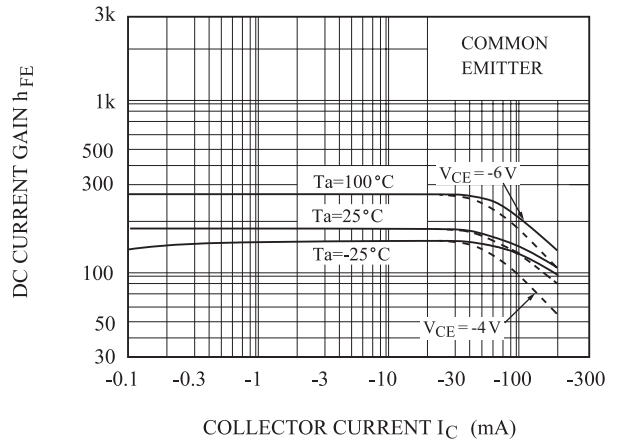
Marking



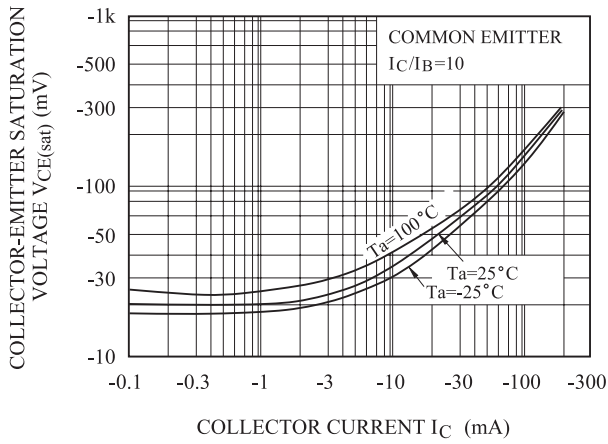
$I_C - V_{CE}$



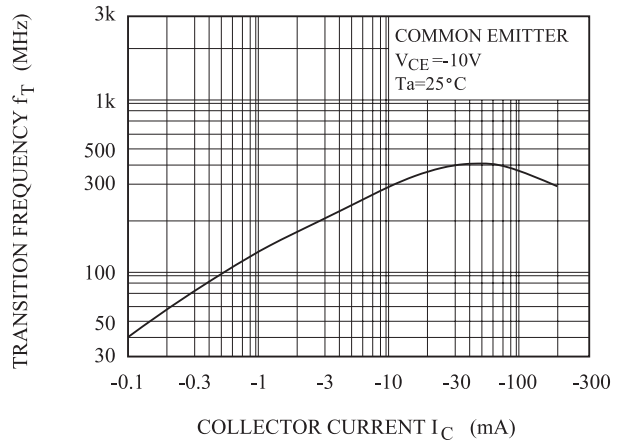
$h_{FE} - I_C$



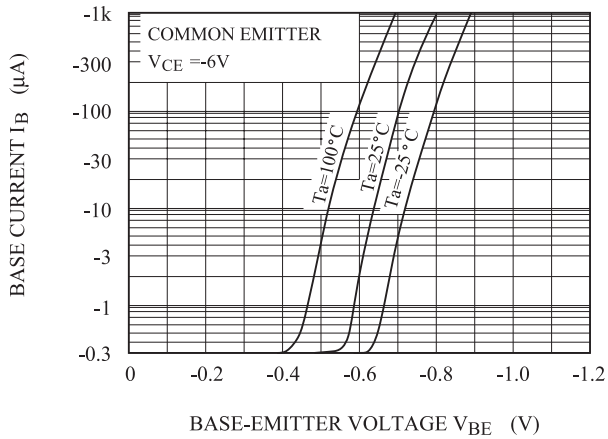
$V_{CE(sat)} - I_C$



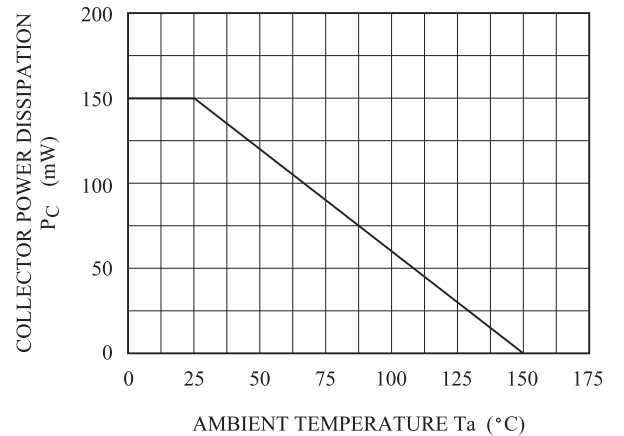
$f_T - I_C$



$I_B - V_{BE}$

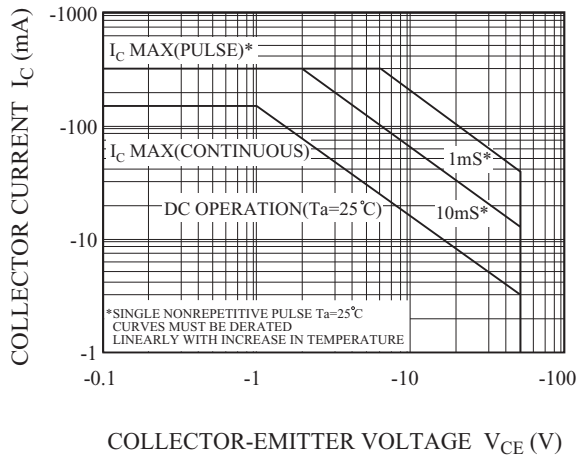


$P_c - T_a$



KTA1504S

SAFE OPERATING AREA



单击下面可查看定价，库存，交付和生命周期等信息

[>>KEC\(开益禧\)](#)