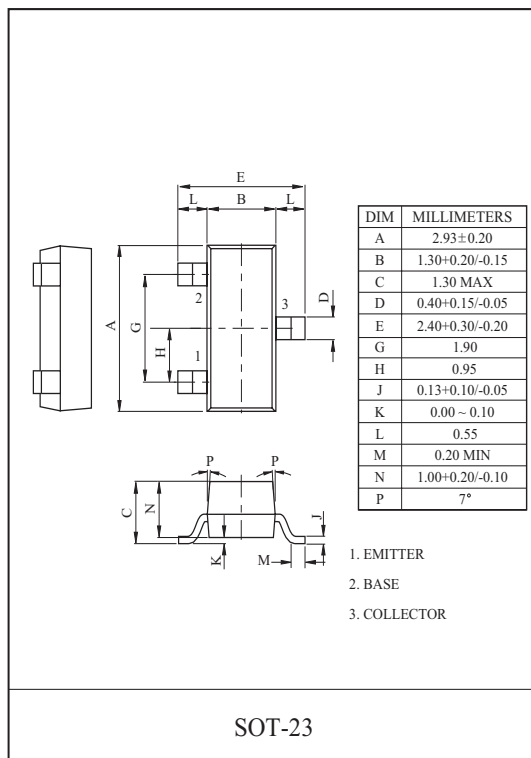


GENERAL PURPOSE APPLICATION. SWITCHING APPLICATION.

FEATURES

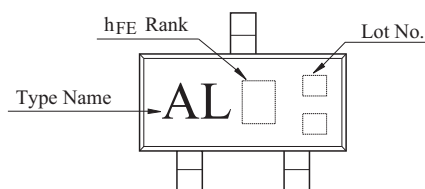
- Excellent h_{FE} Linearity
: $h_{FE}(0.1mA)/h_{FE}(2mA)=0.95$ (Typ.).
- High h_{FE} : $h_{FE}=70 \sim 700$.
- Low Noise : $NF=1dB$ (Typ.), $10dB$ (Max.).
- Complementary to KTA1504S.
- Suffix U : Qualified to AEC-Q101.
ex) KTC3875S-GR-RTK/PU
- Suffix E : EOS(Electrical Over Stress)
Capacity Enhanced Product.
ex) KTC3875S-GR-RTK/PE
- Suffix UE : Qualified to AEC-Q101 and
EOS(Electrical Over Stress)
Capacity Enhanced Product.
ex) KTC3875S-GR-RTK/PUe



MAXIMUM RATING (Ta=25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	60	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	

Marking

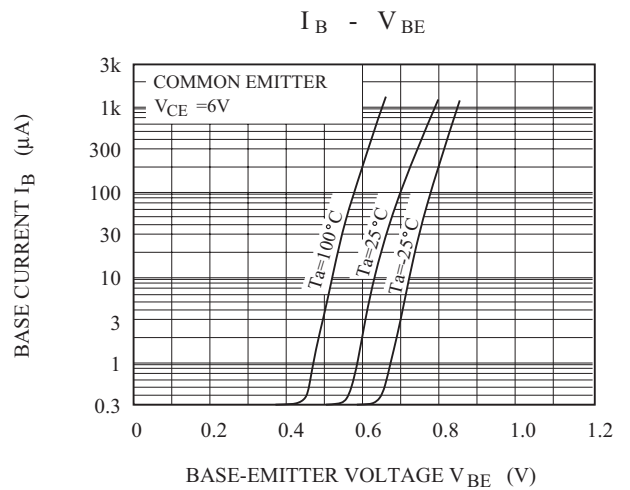
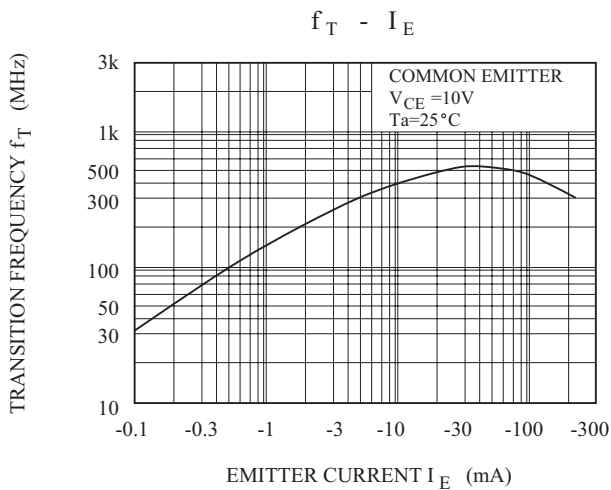
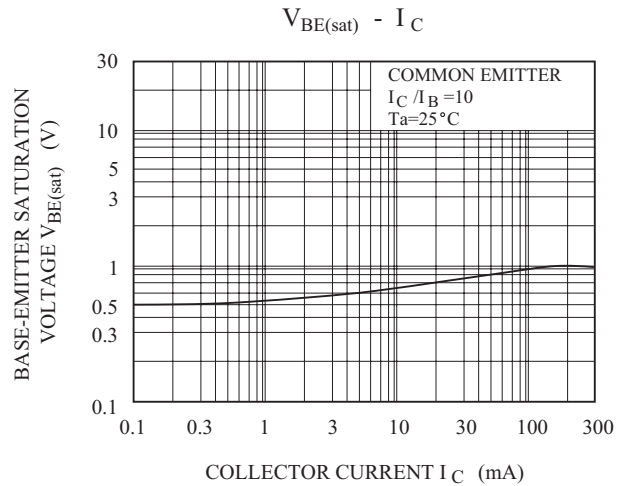
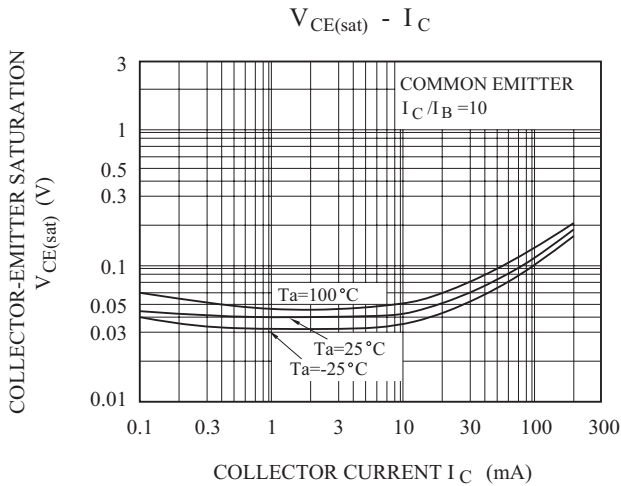
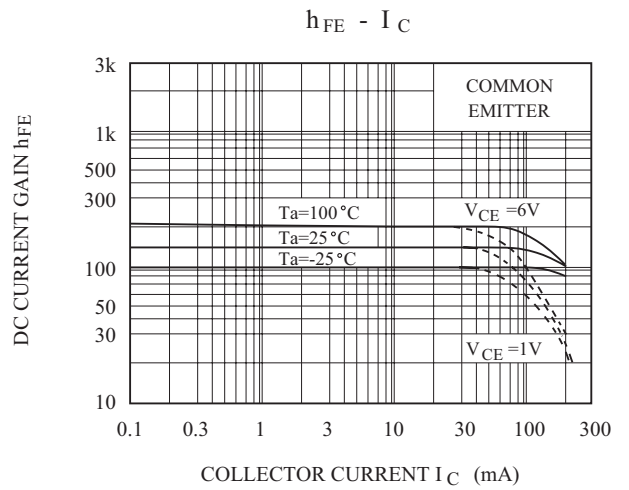
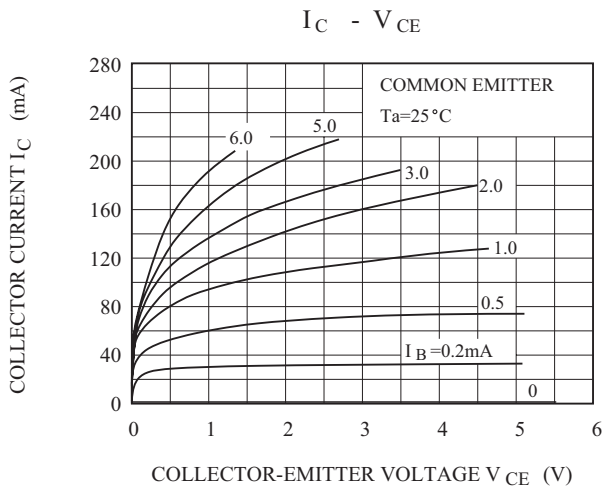


ELECTRICAL CHARACTERISTICS (Ta=25 °C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	$V_{CB}=60V, I_E=0$	-	-	0.1	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB}=5V, I_C=0$	-	-	0.1	μA
DC Current Gain	h_{FE} (Note)	$V_{CE}=6V, I_C=2mA$	70	-	700	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=100mA, I_B=10mA$	-	0.1	0.25	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=100mA, I_B=10mA$	-	0.86	1.0	V
Transition Frequency	f_T	$V_{CE}=10V, I_C=1mA$	80	-	-	MHz
Collector Output Capacitance	C_{ob}	$V_{CB}=10V, I_E=0, f=1MHz$	-	2.0	3.5	pF
Noise Figure	NF	$V_{CE}=6V, I_C=0.1mA$ $f=1kHz, R_g=10k$	-	1.0	10	dB

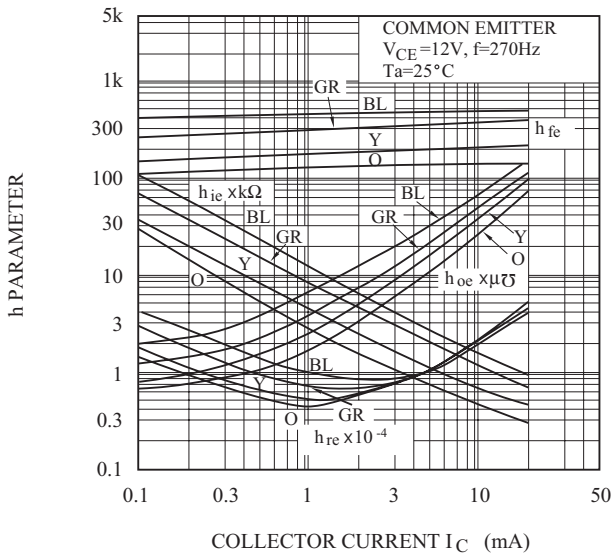
Note : h_{FE} Classification O:70 140, Y:120 240, GR(G):200 400, BL(L):350 700

KTC3875S

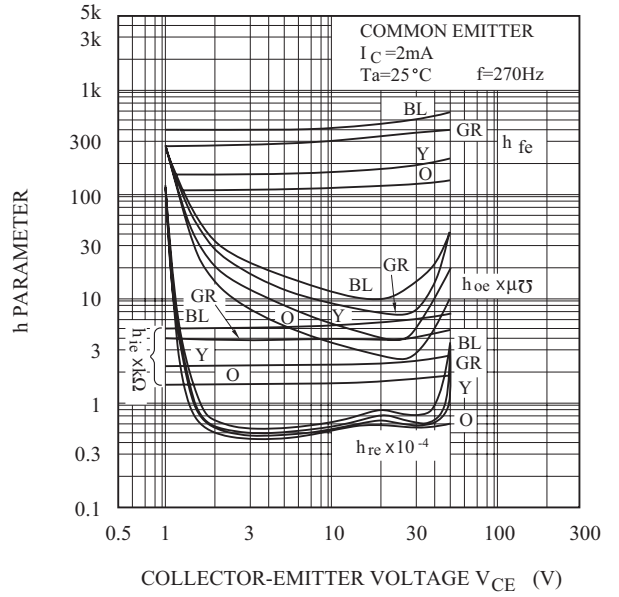


KTC3875S

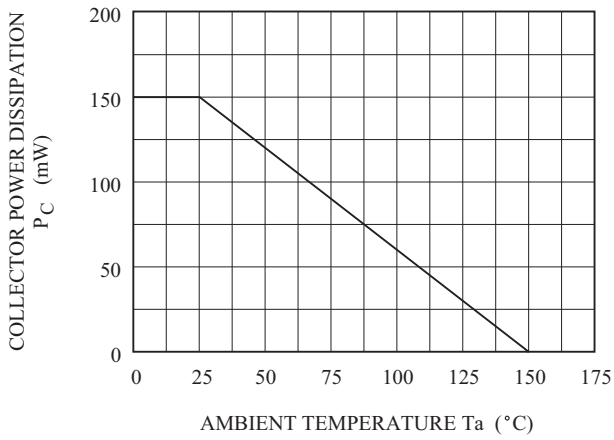
h PARAMETER - I_C



h PARAMETER - V_{CE}



P_C - T_a



单击下面可查看定价，库存，交付和生命周期等信息

[>>KEC\(开益禧\)](#)