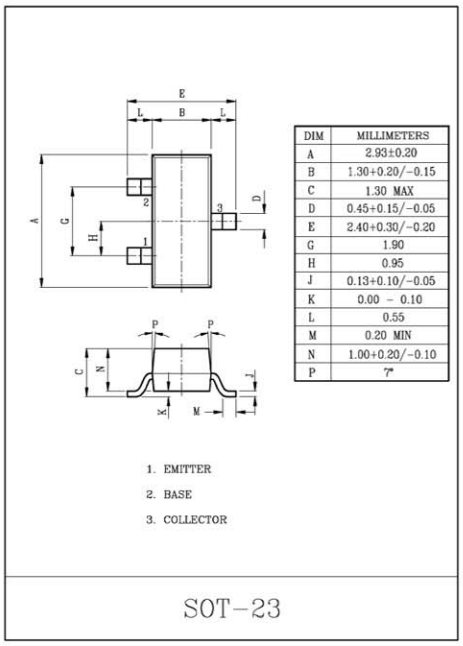
KTA1505

GENERAL PURPOSE APPLICATION.
SWITCHING APPLICATION.



DIM	MILLIMETERS
A	2.93±0.20
B	1.30+0.20/−0.15
C	1.30 MAX
D	0.45+0.15/−0.05
E	2.40+0.30/−0.20
G	1.90
H	0.95
J	0.13+0.10/−0.05
K	0.00 − 0.10
L	0.55
M	0.20 MIN
N	1.00+0.20/−0.10
P	7°

SOT−23

● FEATURES

- Excellent h_{FE} Linearity
  : $h_{FE}(2)$=25(Min.) at V_{CE}=−6V, I_C=−400mA.
- Complementary to KTC3876.

● MAXIMUM RATINGS (Ta=25℃)

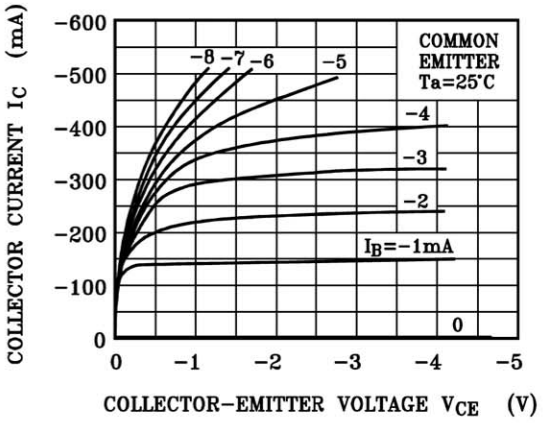
CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	−35	V
Collector-Emitter Voltage	V_{CEO}	−30	V
Emitter-Base Voltage	V_{EBO}	−5	V
Collector Current	I_C	−500	mA
Base Current	I_B	−50	mA
Collector Power Dissipation	P_C	150	mW
Junction Temperature	T_j	150	℃
Storage Temperature Range	T_{stg}	−55～150	℃

● ELECTRICAL CHARACTERISTICS (Ta=25℃)

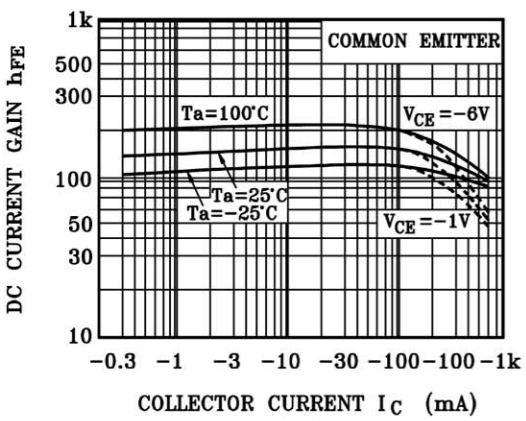
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I_{CBO}	V_{CB}=−35V, I_E=0	−	−	−0.1	μA
Emitter Cut-off Current	I_{EBO}	V_{EB}=−5V, I_C=0	−	−	−0.1	μA
DC Current Gain (Note)	$h_{FE}(1)$	V_{CE}=−1V, I_C=−100mA	70	−	400	
	$h_{FE}(2)$	V_{CE}=−6V, I_C=−400mA	25	−	−	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=−100mA, I_B=−10mA	−	−0.1	−0.25	V
Base-Emitter Voltage	V_{BE}	V_{CE}=−1V, I_C=−100mA	−	−0.8	−1.0	V
Transition Frequency	f_T	V_{CE}=−6V, I_C=−20mA	−	200	−	MHz
Collector Output Capacitance	C_{ob}	V_{CB}=−6V, I_E=0, f=1MHz	−	13	−	pF

(Note) : $h_{FE}(1)$ Classification O:70～140 Y:120～240 GR:200～400
$h_{FE}(2)$ Classification O:25Min. Y:40Min.

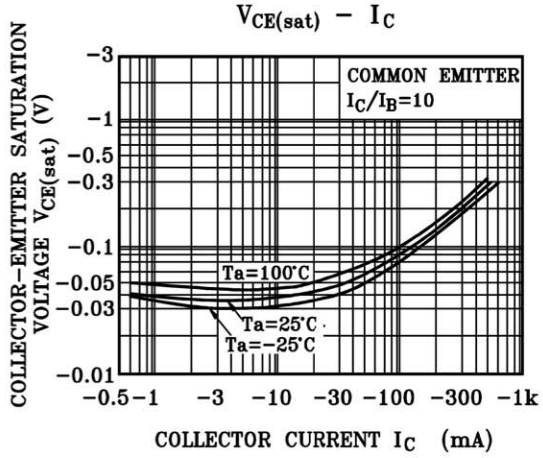
I_C – V_{CE} (LOW VOLTAGE REGION)



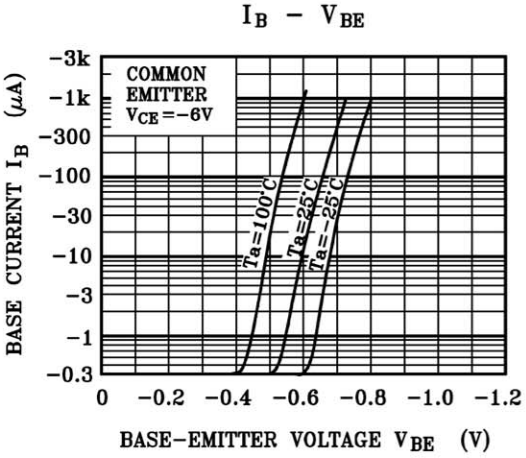
h_{FE} – I_C



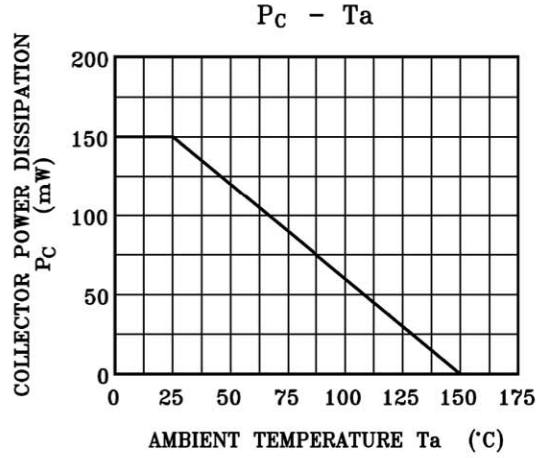
$V_{CE(sat)}$ – I_C



I_B – V_{BE}



P_C – Ta



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Bipolar Transistors - BJT ***category:***

Click to view products by Shikues ***manufacturer:***

Other Similar products are found below :

619691C MCH4017-TL-H MJ15024/WS MJ15025/WS BC546/116 BC556/FSC BC557/116 BSW67A HN7G01FU-A(T5L,F,T NJVMJD148T4G NSVMMBT6520LT1G NTE187A NTE195A NTE2302 NTE2330 NTE2353 NTE316 IMX9T110 NTE63 NTE65 C4460 SBC846BLT3G 2SA1419T-TD-H 2SA1721-O(TE85L,F) 2SA1727TLP 2SA2126-E 2SB1202T-TL-E 2SB1204S-TL-E 2SC5488A-TL-H 2SD2150T100R SP000011176 FMC5AT148 2N2369ADCSM 2SB1202S-TL-E 2SC2412KT146S 2SC4618TLN 2SC5490A-TL-H 2SD1816S-TL-E 2SD1816T-TL-E CMXT2207 TR CPH6501-TL-E MCH4021-TL-E BC557B TTC012(Q) BULD128DT4 JANTX2N3810 Jantx2N5416 US6T6TR KSF350 068071B