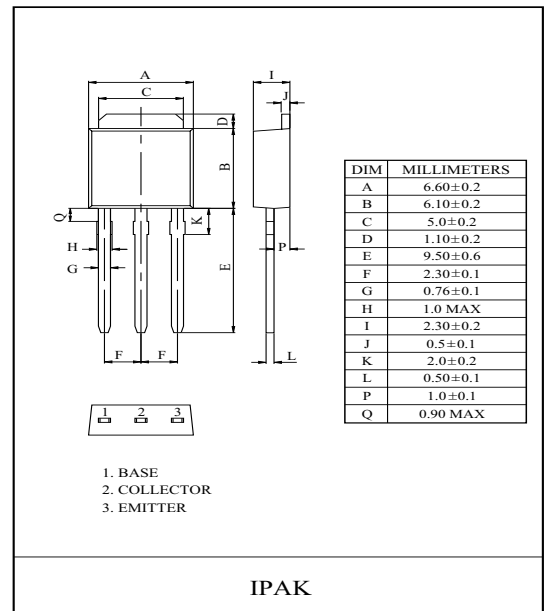
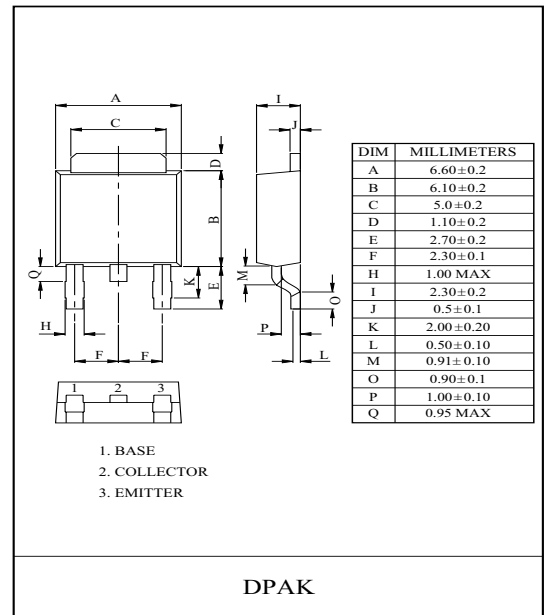


### FEATURES

- Low Collector Saturation Voltage.  
:  $V_{CE(sat)}=0.16V(Typ.)$  at ( $I_C=-4A$ ,  $I_B=-0.05A$ )
- Large Collector Current  
:  $I_C=-10A(dc)$   $I_C=-15A(10ms, \text{single pulse})$
- Complementary to KTC5001D/L.

### MAXIMUM RATING ( $T_a=25^\circ C$ )

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	$V_{CBO}$	-30	V
Collector-Emitter Voltage	$V_{CEO}$	-20	V
Emitter-Base Voltage	$V_{EBO}$	-6	V
Collector Current	$I_C$	-10	A
	$I_{CP}$	-15	
Base Current	$I_B$	-2	A
Collector Power Dissipation	$P_C$	1.0	W
		10	
Junction Temperature	$T_j$	150	$^\circ C$
Storage Temperature Range	$T_{stg}$	-55 ~ 150	$^\circ C$

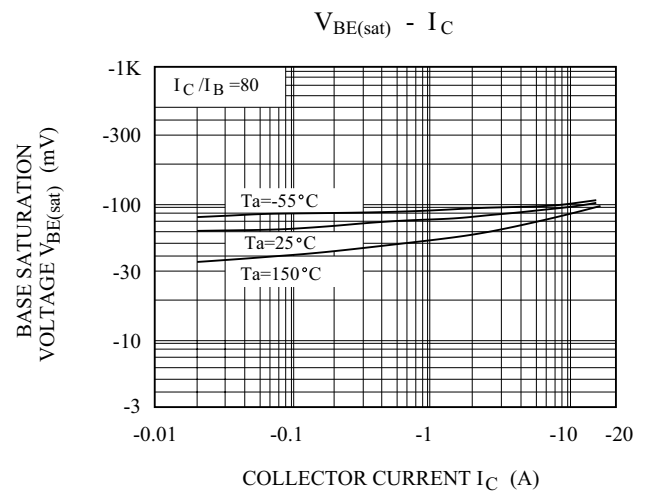
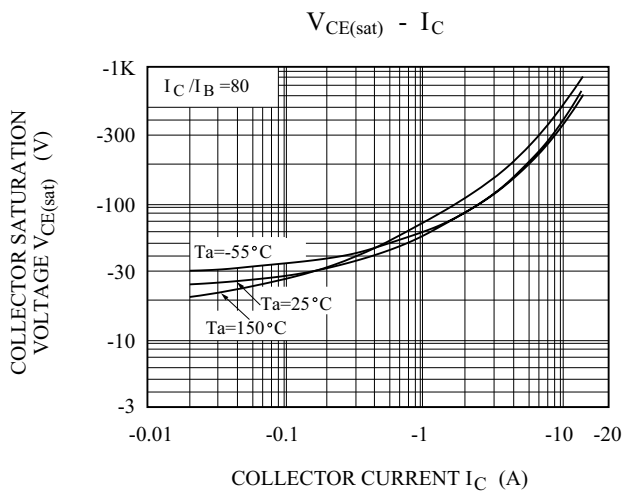
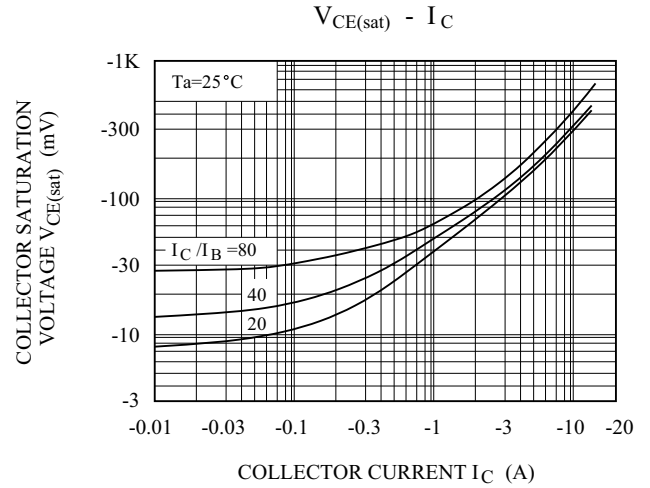
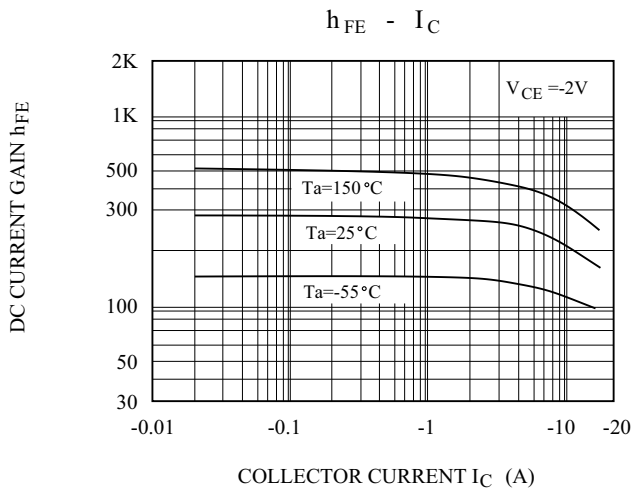
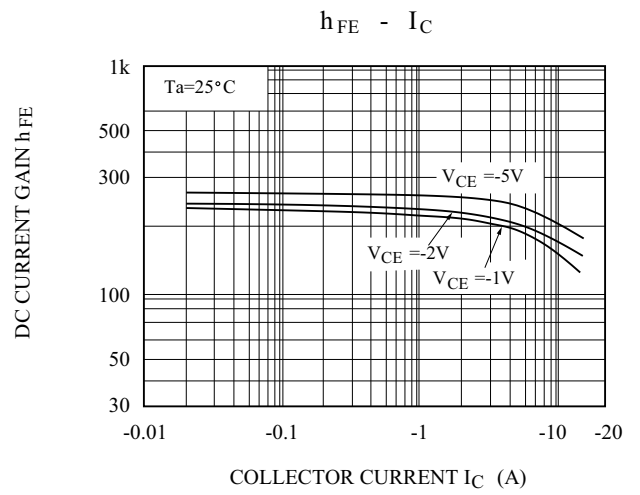
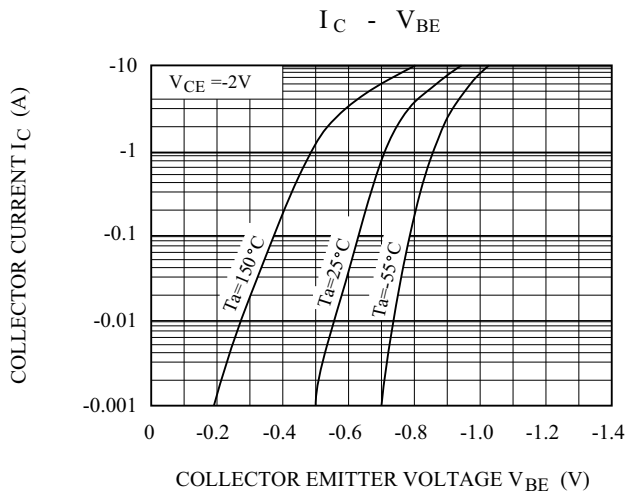


### ELECTRICAL CHARACTERISTICS ( $T_a=25^\circ C$ )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	$I_{CBO}$	$V_{CB}=-20V$	-	-	-10	$\mu A$
Emitter Cut-off Current	$I_{EBO}$	$V_{EB}=-5V$	-	-	-10	$\mu A$
Collector-Base Breakdown Voltage	$BV_{CBO}$	$I_C=-50\mu A$	-30			V
Collector-Emitter Breakdown Voltage	$BV_{CEO}$	$I_C=-1mA$	-20			V
Emitter-Base Breakdown Voltage	$BV_{EBO}$	$I_E=-50\mu A$	-6			V
DC Current Gain	$h_{FE}(1)$ (Note)	$V_{CE}=2V$ , $I_C=-0.5A$	180	-	390	
	$h_{FE}(2)$	$V_{CE}=2V$ , $I_C=-4.0A$	82	-	-	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-4.0A$ , $I_B=-0.05A$	-	-0.16	-0.25	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=-4A$ , $I_B=-0.05A$	-	-0.9	-1.2	V
Transition Frequency	$f_T$	$V_{CE}=5V$ , $I_E=1.5A$ , $f=50MHz$	-	150	-	MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB}=-10V$ , $I_E=0$ , $f=1MHz$	-	220	-	pF

Note :  $h_{FE}(1)$  Classification GR:180~390.

# KTA1834D/L



# KTA1834D/L

