

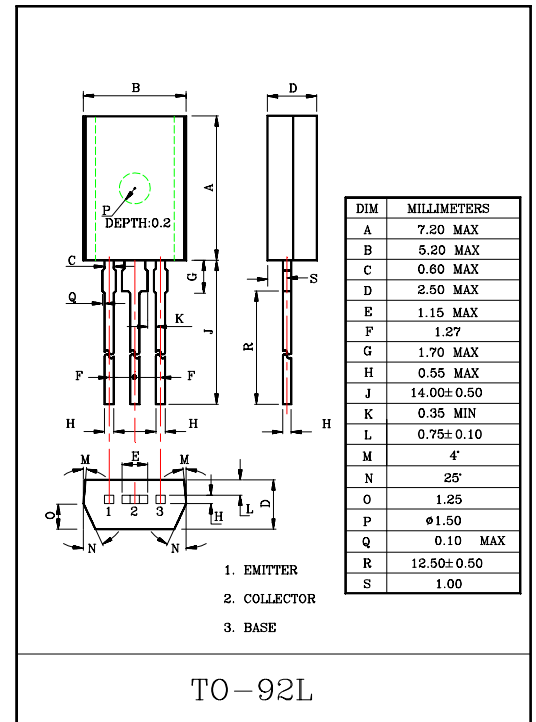
GENERAL PURPOSE APPLICATION.

### FEATURE

- Complementary to KTC3227.

### MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	$V_{CBO}$	-80	V
Collector-Emitter Voltage	$V_{CEO}$	-80	V
Emitter Base Voltage	$V_{EBO}$	-5	V
Collector Current	$I_C$	-400	mA
Emitter Current	$I_E$	400	mA
Collector Power Dissipation	$P_C$	1	W
Junction Temperature	$T_j$	150	°C
Storage Temperature Range	$T_{stg}$	-55~150	°C



### ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	$I_{CBO}$	$V_{CB}=-50V, I_E=0$	-	-	-100	nA
Emitter-Cut-off Current	$I_{EBO}$	$V_{EB}=-5V, I_C=0$	-	-	-100	nA
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=-5mA, I_B=0$	-80	-	-	V
DC Current Gain	$h_{FE(1)}$ (Note)	$V_{CE}=-2V, I_C=-50mA$	70	-	240	
	$h_{FE(2)}$	$V_{CE}=-2V, I_C=-200mA$	40	-	-	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-200mA, I_B=-20mA$	-	-	-0.4	V
Base-Emitter Voltage	$V_{BE}$	$V_{CE}=-2V, I_C=-5mA$	-0.55	-	-0.8	V
Transition Frequency	$f_T$	$V_{CE}=-10V, I_C=-10mA$	-	100	-	MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB}=-10V, I_E=0, f=1MHz$	-	14	-	pF

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