

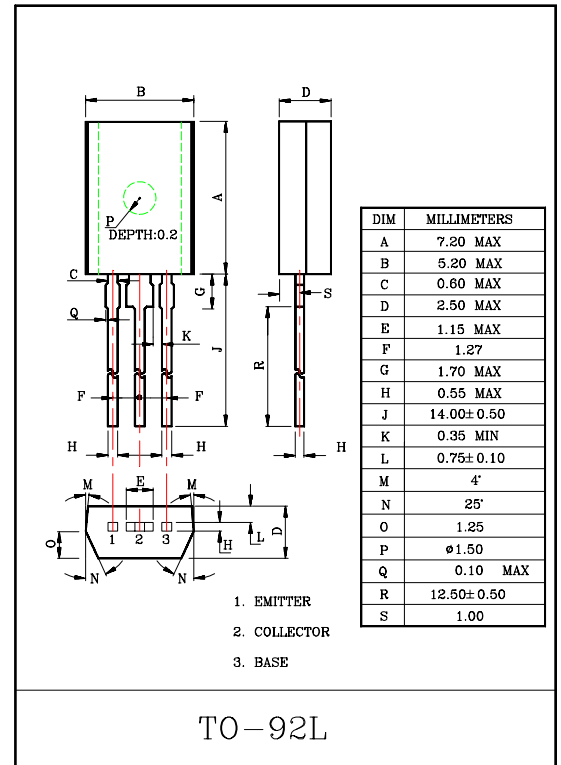
HIGH VOLTAGE SWITCHING APPLICATION.  
COLOR TV HORIZONTAL DRIVER APPLICATION.  
COLOR TV CHROMA OUTPUT APPLICATION.

### FEATURES

- High Voltage :  $V_{(BR)CEO}=450V$ .
- Small Collector Output Capacitance :  $C_{ob}=4.0pF$ (Typ.).

### MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	$V_{CBO}$	450	V
Collector-Emitter Voltage	$V_{CEO}$	450	V
Emitter-Base Voltage	$V_{EBO}$	7	V
Collector Current	$I_C$	100	mA
Base Current	$I_B$	50	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	$I_{CBO}$	$V_{CB}=240V, I_E=0$	-	-	1.0	$\mu A$
Emitter Cut-off Current	$I_{EBO}$	$V_{EB}=7V, I_C=0$	-	-	1.0	$\mu A$
DC Current Gain	$h_{FE}(1)$	$V_{CE}=10V, I_C=4mA$	20	-	-	
	$h_{FE}(2)$	$V_{CE}=10V, I_C=20mA$	40	-	80	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=10mA, I_B=1mA$	-	-	0.5	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=10mA, I_B=1mA$	-	-	1.0	V
Transition Frequency	$f_T$	$V_{CE}=10V, I_C=20mA$	50	-	-	MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB}=10V, I_E=0, f=1MHz$	-	4.0	-	pF

Note)  $h_{FE}$  classification R:40~60 , O:55~80

