

HIGH VOLTAGE APPLICATION.
TELEPHONE APPLICATION.

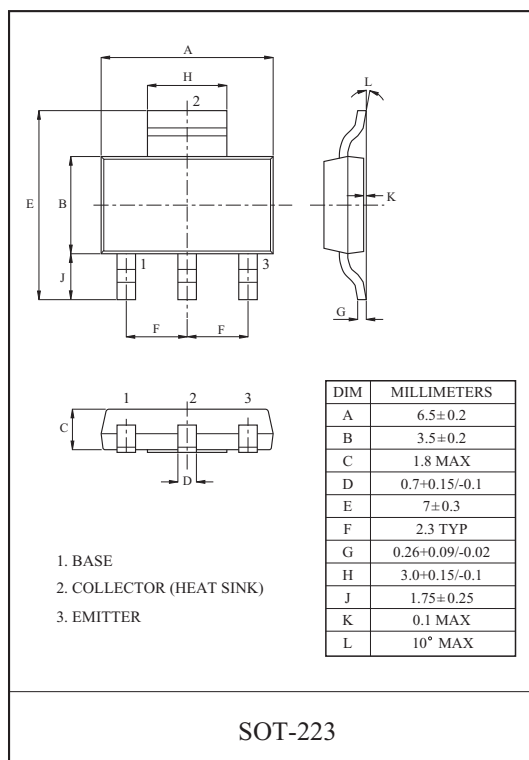
FEATURES

- Complementary to PZTA42.

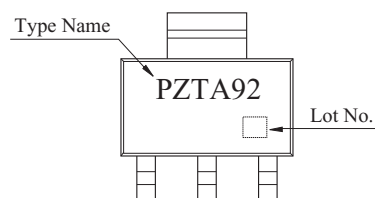
MAXIMUM RATING (Ta=25 °C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	-300	V
Collector-Emitter Voltage	V_{CEO}	-300	V
Emitter-Base Voltage	V_{EBO}	-5.0	V
Collector Current	I_C	-500	mA
Emitter Current	I_E	500	mA
Collector Power Dissipation	P_C^*	1	W
Junction Temperature	T_j	150	°C
Storage Temperature	T_{stg}	-55 ~ 150	°C

* Package Mounted On FR-4 PCB $36 \times 18 \times 1.5\text{mm}$. :
mountina pad for the collector lead min.6cm²



Marking



ELECTRICAL CHARACTERISTICS (Ta=25 °C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	$I_C = -100\mu\text{A}$, $I_E = 0$	-300	-	-	V
Collector-Emitter Breakdown Voltage	$V_{(BE)CEO}$	$I_C = -1.0\text{mA}$, $I_B = 0$	-300	-	-	V
DC Current Gain	$* h_{FE}$	$I_C = -1.0\text{mA}$, $V_{CE} = -10\text{V}$	25	-	-	
		$I_C = -10\text{mA}$, $V_{CE} = -10\text{V}$	40	-	-	
		$I_C = -30\text{mA}$, $V_{CE} = -10\text{V}$	25	-	-	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -20\text{mA}$, $I_B = -2.0\text{mA}$	-	-	-0.5	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C = -20\text{mA}$, $I_B = -2.0\text{mA}$	-	-	-0.9	V
Transition Frequency	f_T	$V_{CE} = -20\text{V}$, $I_C = -10\text{mA}$, $f = 100\text{MHz}$	50	-	-	MHz
Collector Output Capacitance	C_{ob}	$V_{CB} = -20\text{V}$, $I_E = 0$, $f = 1\text{MHz}$	-	-	6.0	pF

*Pulse Test : Pulse Width $\leq 300\mu\text{s}$, Duty Cycle $\leq 2.0\%$

