

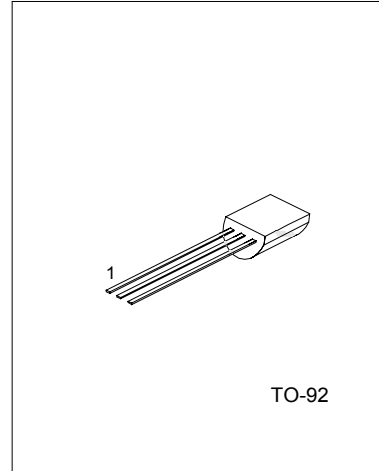
PNP HIGH-VOLTAGE TRANSISTORS

FEATURES

\*Collector-Emitter Voltage:  $V_{CEO}=-250V$ .

APPLICATIONS

- \* High voltage application.
- \* Monitor equipment application.



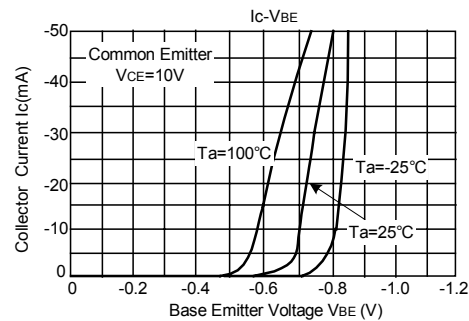
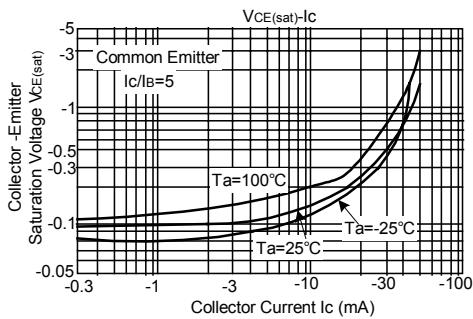
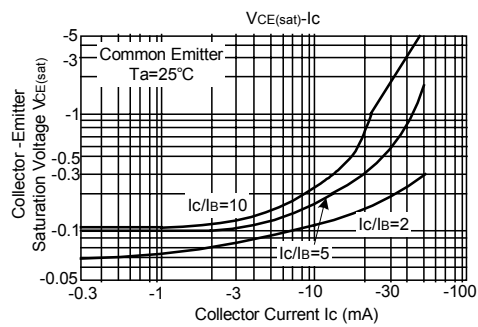
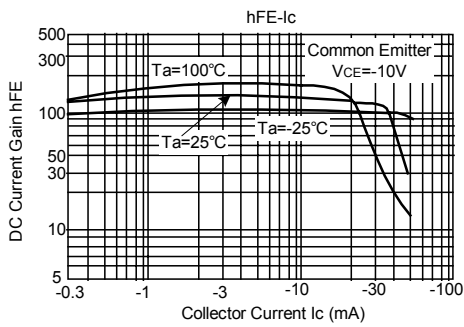
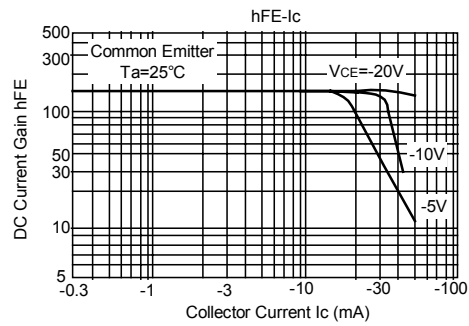
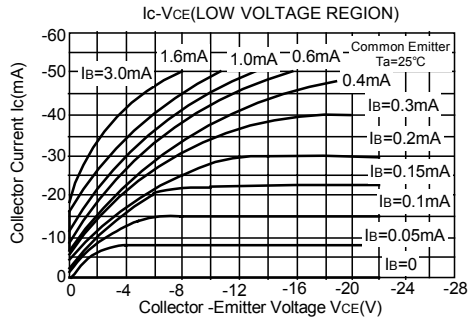
1:EMITTER 2:COLLECTOR 3:BASE

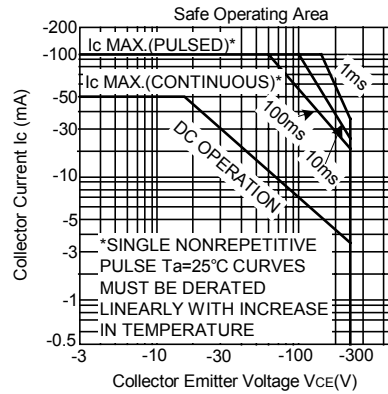
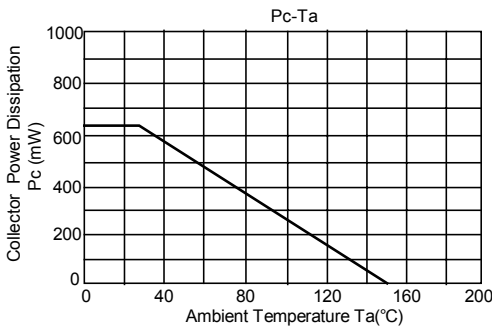
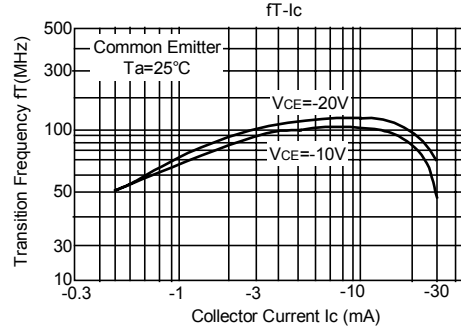
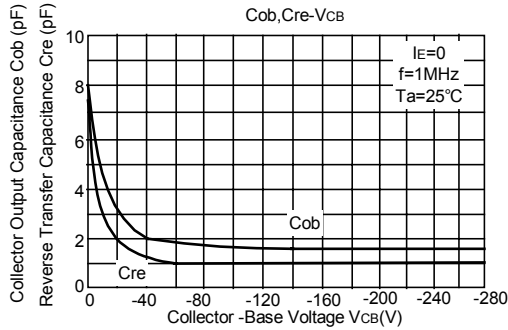
ABSOLUTE MAXIMUM RATINGS ( $T_a=25^{\circ}C$ , unless otherwise specified)

PARAMETERS	SYMBOL	RATING	UNIT
Collector-base voltage	$V_{CBO}$	-250	V
Collector-emitter voltage	$V_{CEO}$	-250	V
Emitter-base voltage	$V_{EBO}$	-5	V
Collector current (DC)	$I_c$	-50	mA
collector current (Peak)	$I_{cP}$	-100	mA
base current	$I_b$	-50	mA
Collector Power dissipation	$P_c$	625	mW
Junction temperature	$T_j$	150	$^{\circ}C$
Storage Temperature	$T_{stg}$	-65~+150	$^{\circ}C$

ELECTRICAL CHARACTERISTICS ( $T_a=25^{\circ}C$ , unless otherwise specified)

PARAMETERS	SYMBOL	CONDITIONS	MIN	MAX	UNIT
Collector Cut-Off Current	$I_{cBO}$	$V_{CB}=-200V, I_E=0$		-10	nA
		$V_{CB}=-200V, I_E=0, T_j=150^{\circ}C$		-10	$\mu A$
Emitter Cut-Off Current	$I_{EBO}$	$V_{EB}=-5V, I_c=0$		-50	nA
DC current gain	$h_{FE}$	$V_{CE}=-20V, I_c=-25mA$	50		
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_c=-30mA, I_b=-5mA$		-0.6	V
Transition frequency	$f_T$	$V_{CE}=-10V, I_c=-10mA, f=100MHz$	60		MHz
Feedback capacitance	$C_{re}$	$V_{CB}=-30V, I_E=0, f=1MHz$		1.6	pF





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