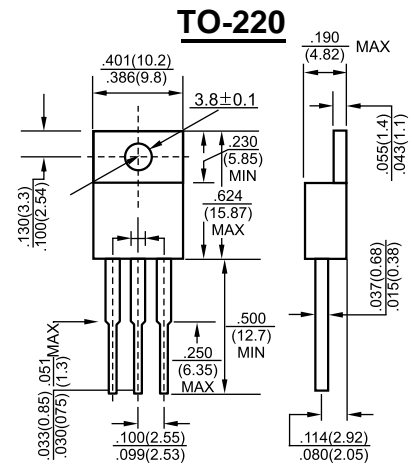


1. BASE
2. COLLECTOR
3. EMITTER

### Features

- ✧ Wide safe Operating Area.
- ✧ Complementary to 2SC2703



### MAXIMUM RATINGS ( $T_A=25^{\circ}\text{C}$ unless otherwise noted)

Dimensions in inches and (millimeters)

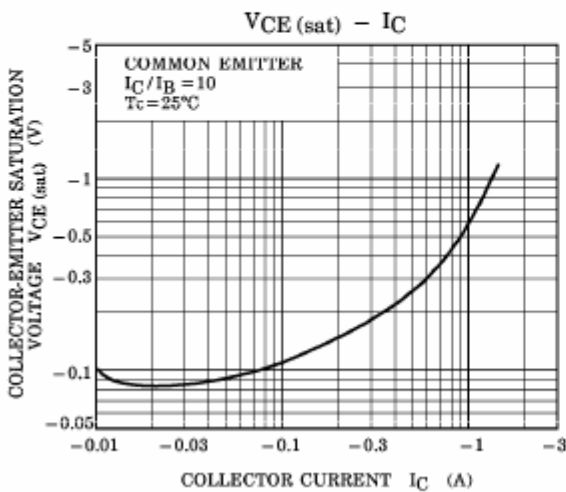
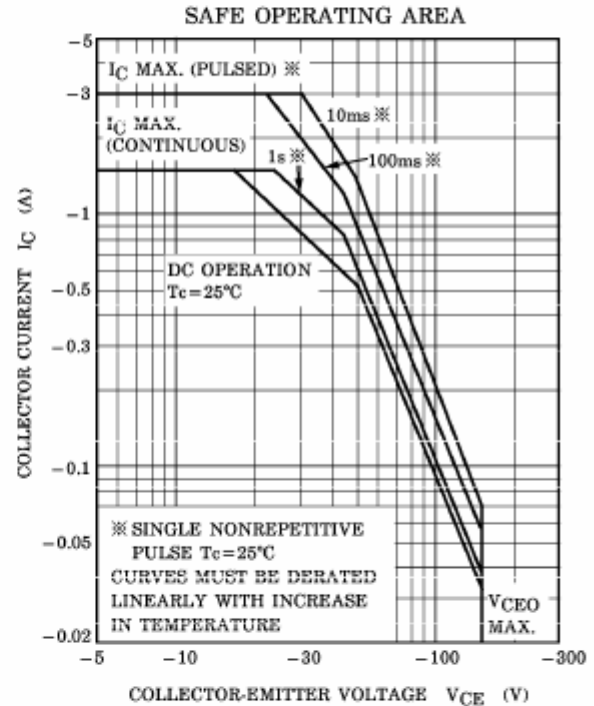
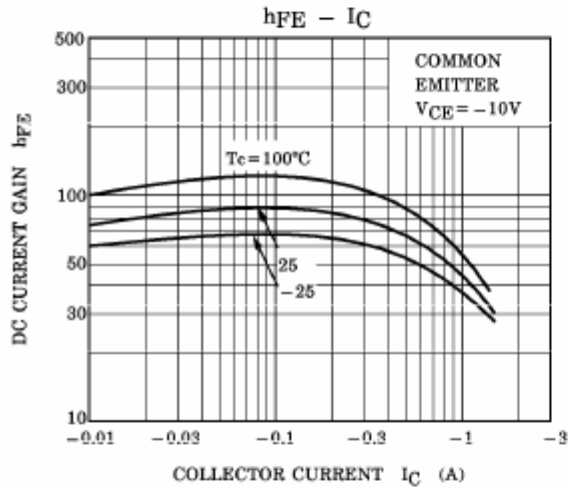
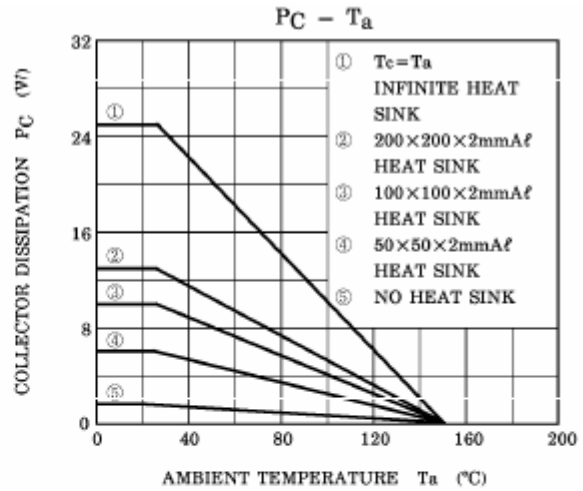
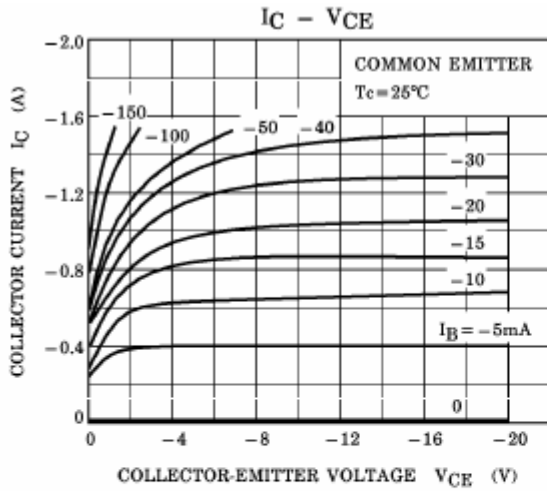
Symbol	Parameter	Value	Units
$V_{CBO}$	Collector-Base Voltage	-150	V
$V_{CEO}$	Collector-Emitter Voltage	-150	V
$V_{EBO}$	Emitter-Base Voltage	-5	V
$I_C$	Collector Current -Continuous	-1.5	A
$P_C$	Collector Power Dissipation	1.5	W
$T_j$	Junction Temperature	150	$^{\circ}\text{C}$
$T_{stg}$	Storage Temperature Range	-55-150	$^{\circ}\text{C}$

### ELECTRICAL CHARACTERISTICS ( $T_{amb}=25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Collector-base breakdown voltage	$V_{(BR)CBO}$	$I_C = -100\mu\text{A}$ , $I_E = 0$	-150			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	$I_C = -1\text{mA}$ , $I_B = 0$	-150			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	$I_E = -100\mu\text{A}$ , $I_C = 0$	-5			V
Collector cut-off current	$I_{CBO}$	$V_{CB} = -120\text{V}$ , $I_E = 0$			-10	$\mu\text{A}$
Emitter cut-off current	$I_{EBO}$	$V_{EB} = -5\text{V}$ , $I_C = 0$			-10	$\mu\text{A}$
DC current gain	$h_{FE}$	$V_{CE} = -10\text{V}$ , $I_C = -0.5\text{A}$	40		140	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -0.5\text{A}$ , $I_B = -50\text{mA}$			-1.5	V
Base-emitter voltage	$V_{BE}$	$V_{CE} = -10\text{V}$ , $I_C = -0.5\text{A}$	-0.65		-0.85	V
Transition frequency	$f_T$	$V_{CE} = -10\text{V}$ , $I_C = -0.5\text{A}$		4		MHz
Collector output capacitance	$C_{ob}$	$V_{CB} = -10\text{V}$ , $I_E = 0$ , $f = 1\text{MHz}$		55		pF



### Typical Characteristics



Package	Packing	Box Size L×W×H(mm)	Quantity(pcs/box)	Carton Size L×W×H(mm)	Quantity(pcs/carton)
TO-220	50pcs/Tube	558×148×38	1000	565×225×175	5000