

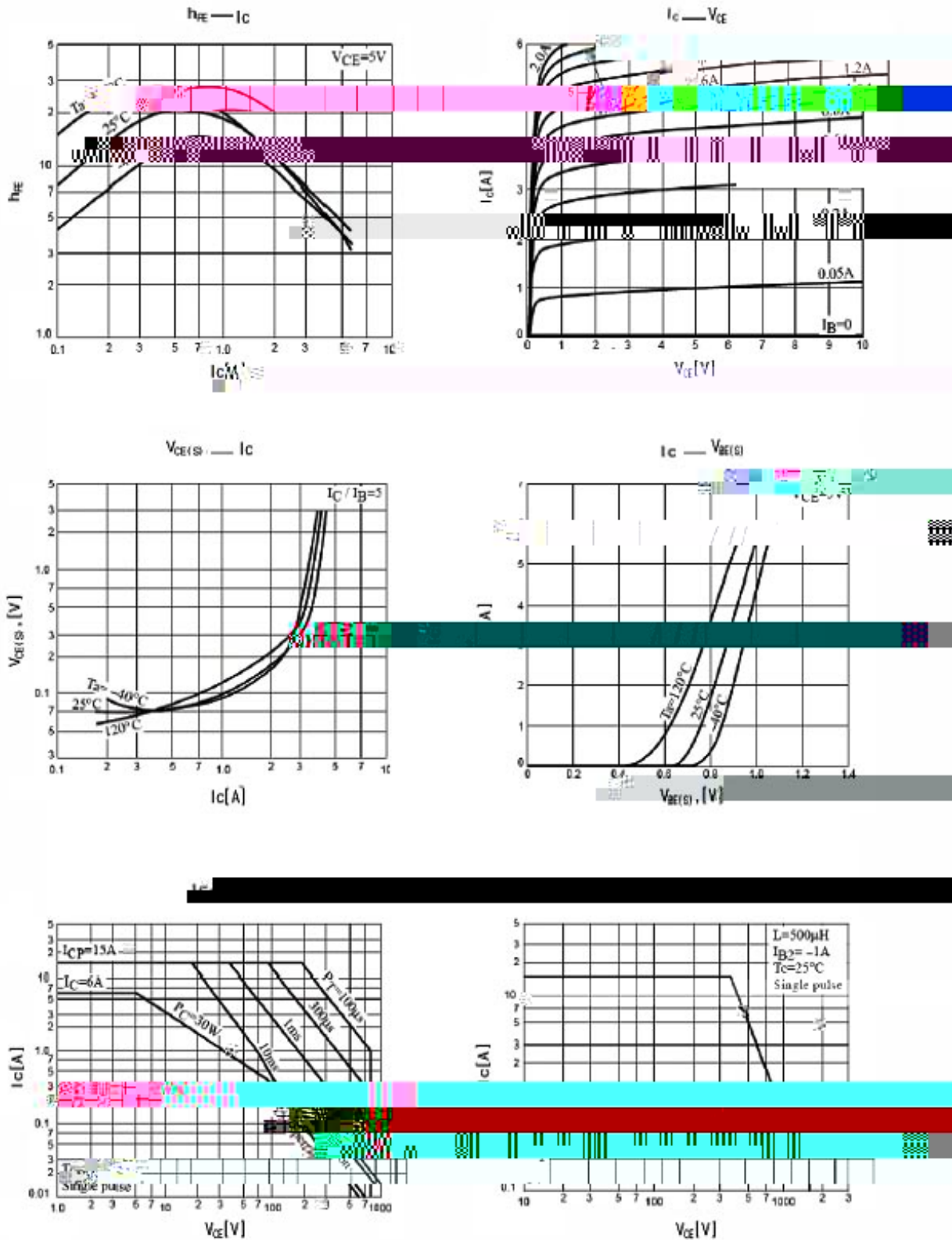
TO-220F NPN Silicon NPN transistor in a TO-220F Plastic Package.

High breakdown voltage, Wide SOA, High switching speed, Low saturation voltage, Excellent current characteristics, Bulit-in dumper diode.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	1500	V
Collector to Emitter Voltage($V_{BE}=0$)	V_{CES}	1500	V
Collector to Emitter Voltage	V_{CEO}	800	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	6.0	A
Peak Collector Current	I_{CP}	15.0	A
Collector Power Dissipation	P_C	2.0	W
Collector Power Dissipation	$P_C(T_c=25^\circ C)$	30	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 ~ 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E=500mA$ $I_C=0$	5.0			V
Forward Voltage	V_F	$I_F=3A$			2.0	V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=1000V$ $I_E=0$			50	μA
		$V_{CB}=1500V$ $I_E=0$			1.0	mA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=4V$				

/ Electrical Characteristic Curve

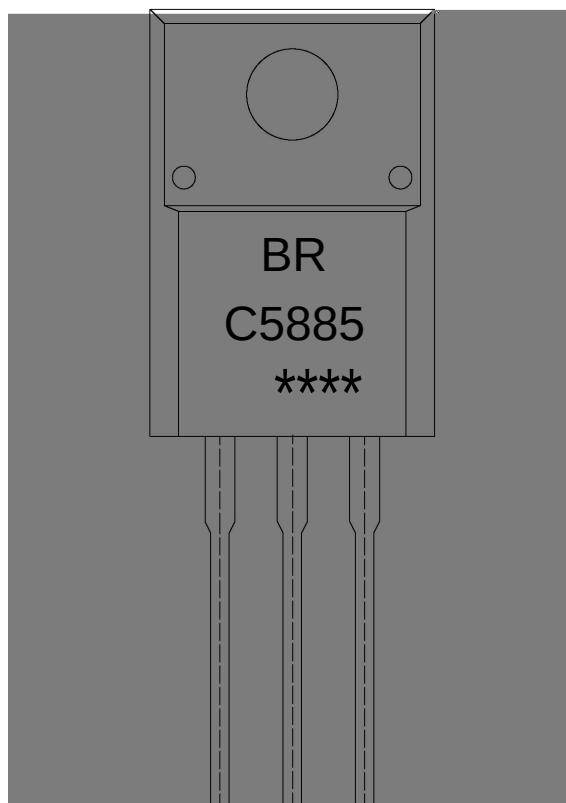


TO-220F

单位: mm

Technical drawing of a TO-220F package. The drawing includes a top view, a side view, and a bottom view. The top view shows a trapezoidal shape with three rectangular mounting pads. The side view shows the package's profile with a central mounting pad. The bottom view shows the package's base with mounting pads. Dimensions are provided in millimeters (mm).

/ Marking Instructions



BR

C5885

Note:

BR: Company Code

C5885: Product Type.

****: Lot No. Code, code change with Lot No.

