

/ Descriptions

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

/ Features

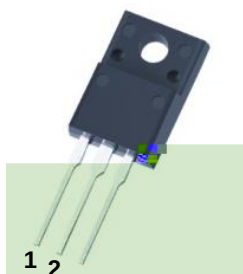
KTC4511
Complementary to KTC4511.

/ Applications

High Power amplifier application.

/ Equivalent Circuit

/ Pinning



PIN1 Base PIN 2 Collector or Emitter

/ h_{FE} Classifications & Marking

h_{FE} Classifications Symbol	R	O
$h_{FE} R_a$	55 110 80	160

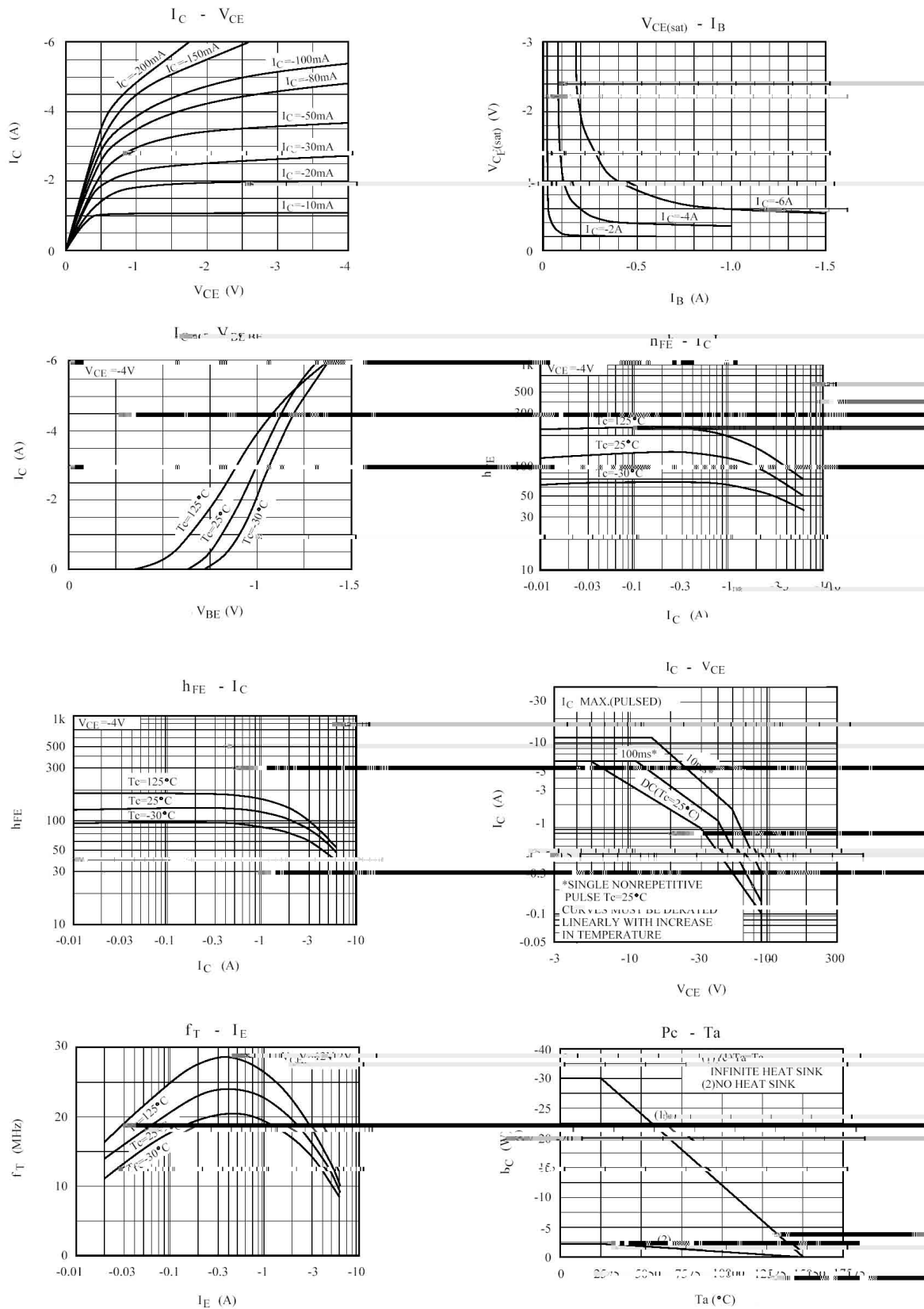
/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-80	V
Collector to Emitter Voltage	V_{CEO}	-80	V
Emitter to Base Voltage	V_{EBO}	-6.0	V
Collector Current - Continuous	I_C	-6.0	A
Base Current	I_B	-3.0	A
Collector Power Dissipation	$P_c(T_c=25)$	30	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=-25mA$ $I_B=0$	-80			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=-80V$ $I_E=0$			-10	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=-6.0V$ $I_C=0$			-10	μA
DC Current Gain	h_{FE}	$V_{CE}=-4.0V$ $I_C=-2.0A$	55		160	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-2.0A$ $I_B=-0.2A$			-0.5	V
Transition Frequency	f_T	$V_{CE}=-12V$ $I_C=-0.5A$		20		MHz
Collector output capacitance	C_{ob}	$V_{CB}=-10V$ $I_E=0$ $f=1.0MHz$		150		pF

/ Electrical Characteristic Curve



/ Package Dimensions



