KTA1715

Rev.E Mar.-2016

DATA SHEET

/ Descriptions

TO-126F	PNP	Silicon PNP transistor in a TO-126F Plastic Package.

/ Features

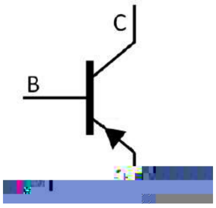
, , KTC2814

Low collector saturation voltage, high speed switching time, complementary to, KTC2814.

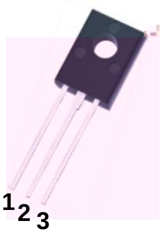
/ Applications

Power amplifier application, power switching application.

/ Equivalent Circuit



/ Pinning



PIN1 Emitter PIN 2 Collector PIN 3 Base

/ h_{FE} Classifications & Marking

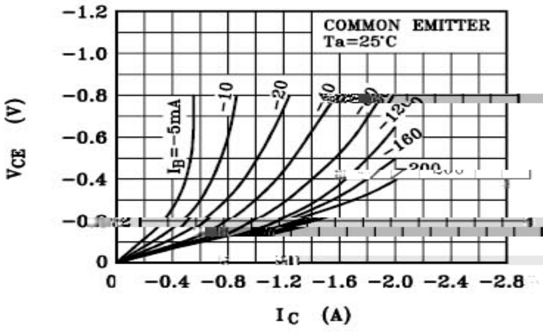
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-50	V
Collector to Emitter Voltage	V_{CEO}	-50	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-2.0	A
Collector Power Dissipation	P_C	1.5	W
Collector Power Dissipation	$P_C(T_C=25\ \ )$	10	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

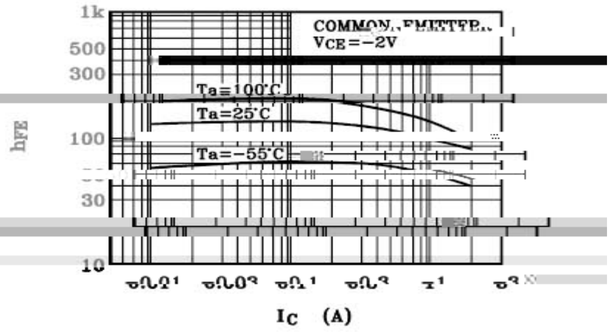
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C				

/ Electrical Characteristic Curve

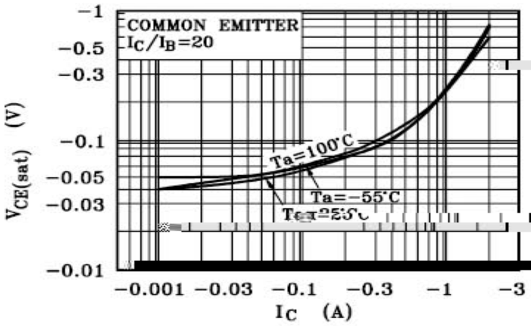
V_{CE} – I_C



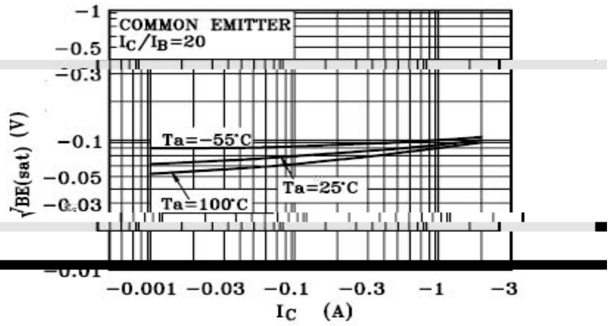
h_{FE} – I_C



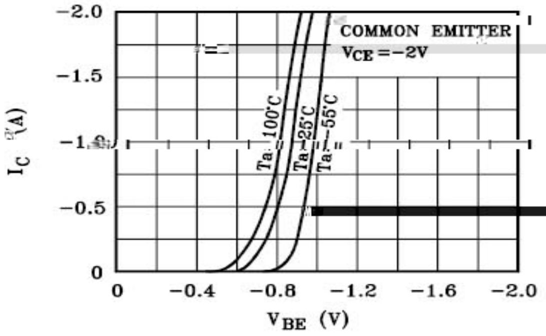
$V_{CE(sat)}$ – I_C



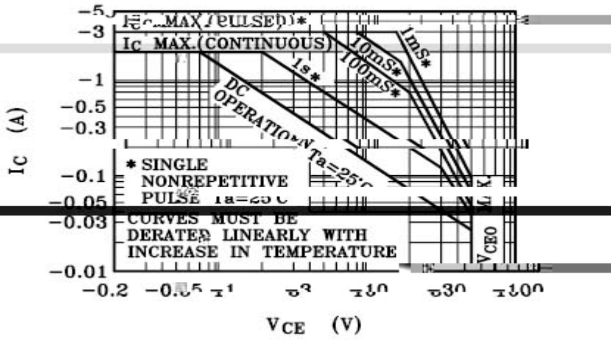
$V_{BE(sat)}$ – I_C



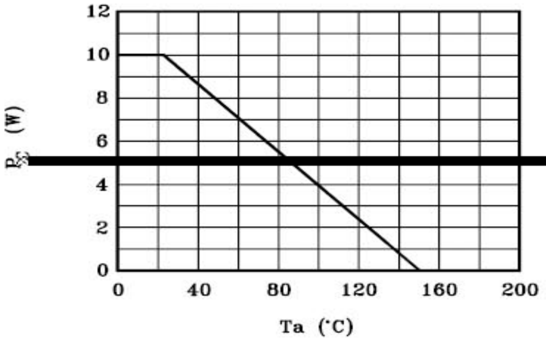
I_C – V_{BE}



SAFE OPERATING AREA

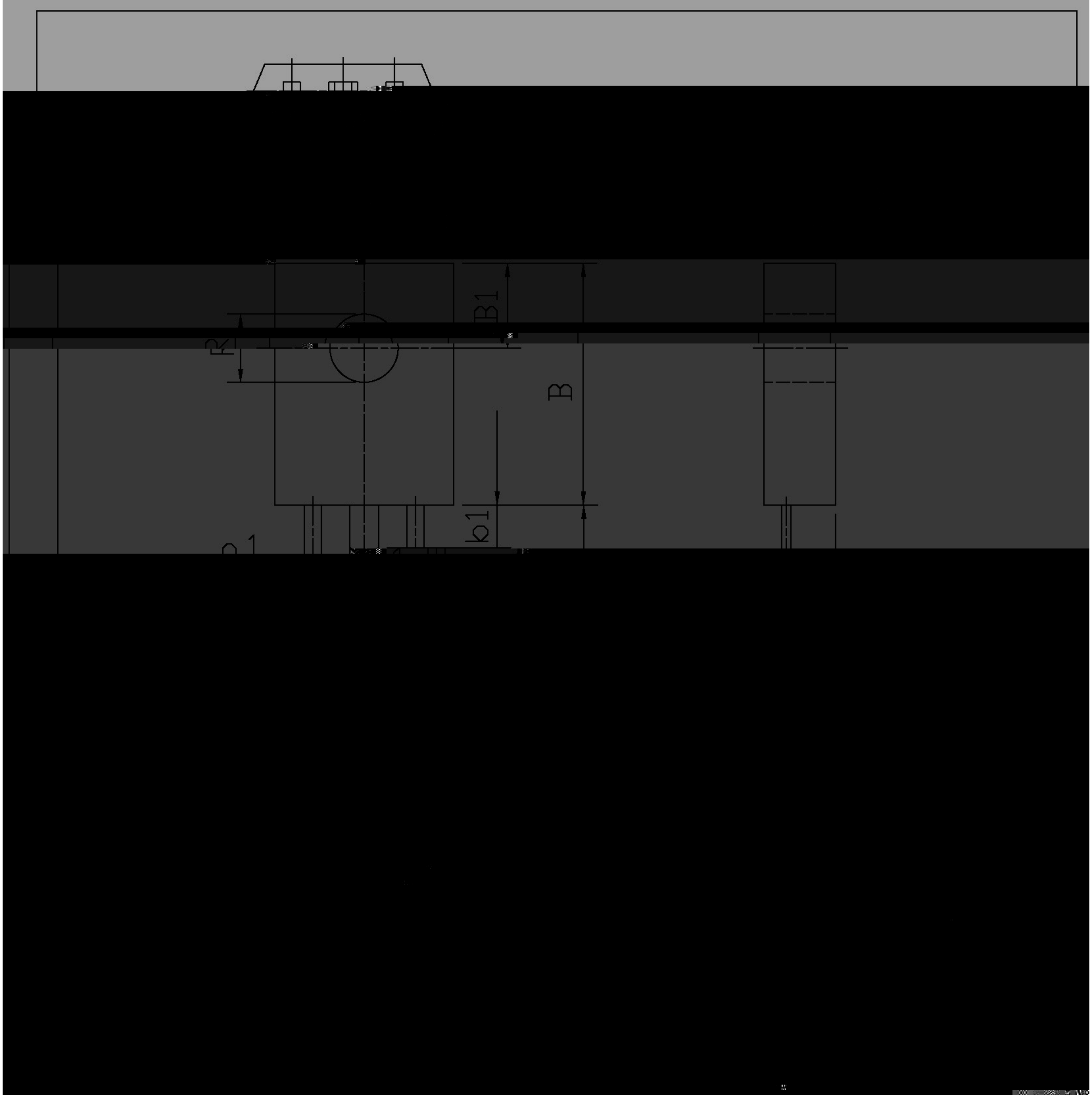


P_C – Ta



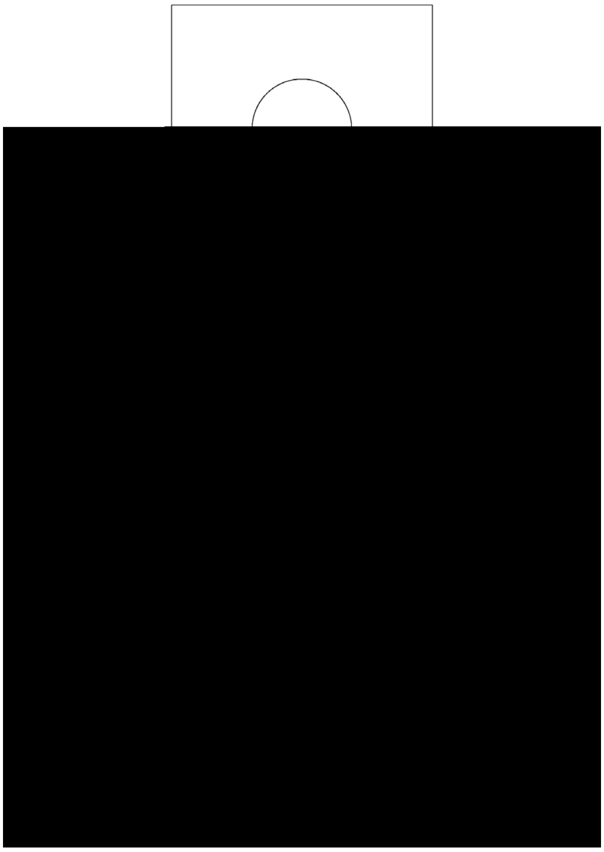
/ Package Dimensions

TO-126F 单位：mm



	Dimensions In Millimeters			Dimensions In Millimeters
Max	Symbol	Min	Max	Symbol	Min
0.86	A	7.8	8.2	b1	0.6[illegible]

/ Marking Instructions



BR

A1715

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Note:

BR:	Company Code
A1715:	Product Type.
****:	Lot No. Code, code change with Lot No.

( ) / Temperature Profile for Dip Soldering(Pb-Free)

	Note:
1 25 150 60 90sec;	1.Preheating:25~150 , Time:60~90sec.
2 255±5 5±0.5sec;	2.Peak Temp.:255±5 , Duration:5±0.5sec.
3 2 10 /sec.	3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

270±5 10±1 sec. Temp.:270±5 Time:10±1 sec

/ Packaging SPEC.

/ BULK

Package Type	Units	Dimension (unit mm^3)