2SA1128

Rev.E Mar.-2016

蓝箭电子 BLUE ROCKET ELECTRONICS

DATA SHEET

/ Descriptions

TO-92 PNP Silicon PNP transistor in a TO-92 Plastic Package.

/ Features

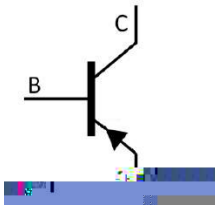
, 2SC1788

low $V_{CE(sat)}$,complementary pair with 2SC1788.

/ Applications

Audio frequency output amplifier.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

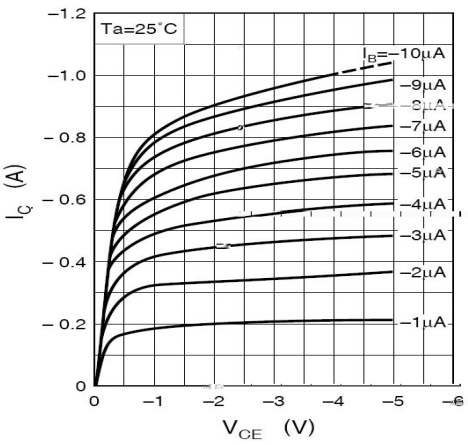
/ hFE Classifications & Marking

h_{FE} Classifications Symbol	Q	R	S
h_{FE} Range	90~155	130~220	180~350

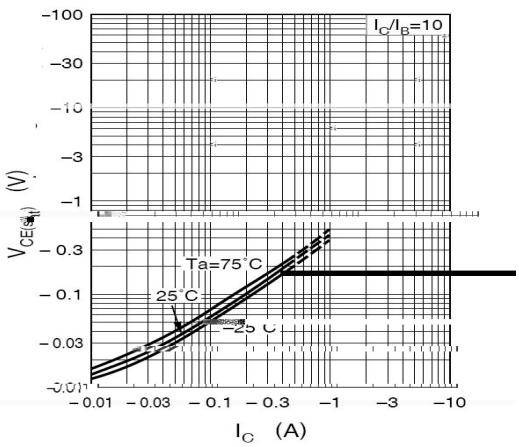
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-25	V
Collector to Emitter Voltage	V_{CEO}	-20	V
Emitter to Base Voltage	V_{EBO}	-7.0	V
Collector Current – Continuous(Pulse)	I_{CP}	-1.0	A
Collector Current - Continuous	I_C	-0.5	A
Collector Power Dissipation	P_C	625	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T		

/ Electrical Characteristic Curve

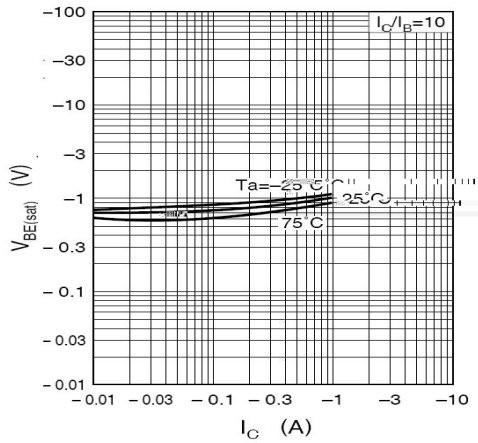
I_C — V_{CE}



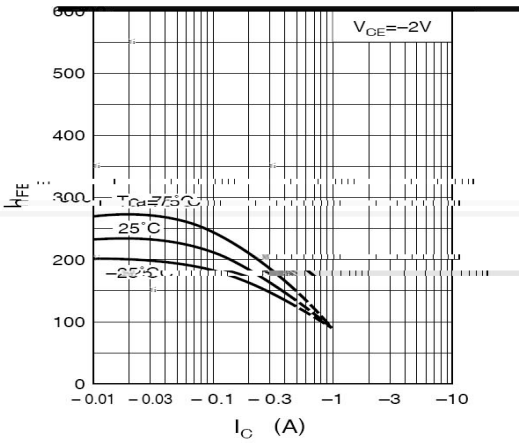
$V_{CE(sat)}$ — I_C



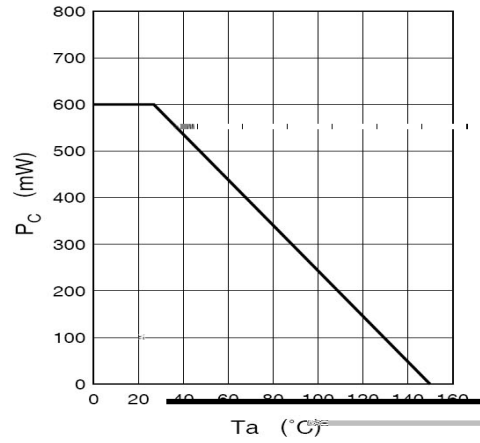
$V_{BE(sat)}$ — I_C



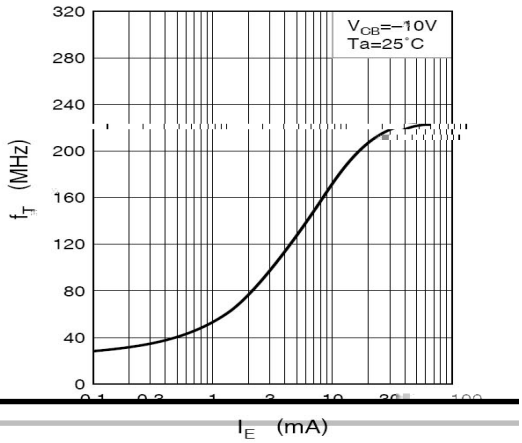
h_{FE} — I_C



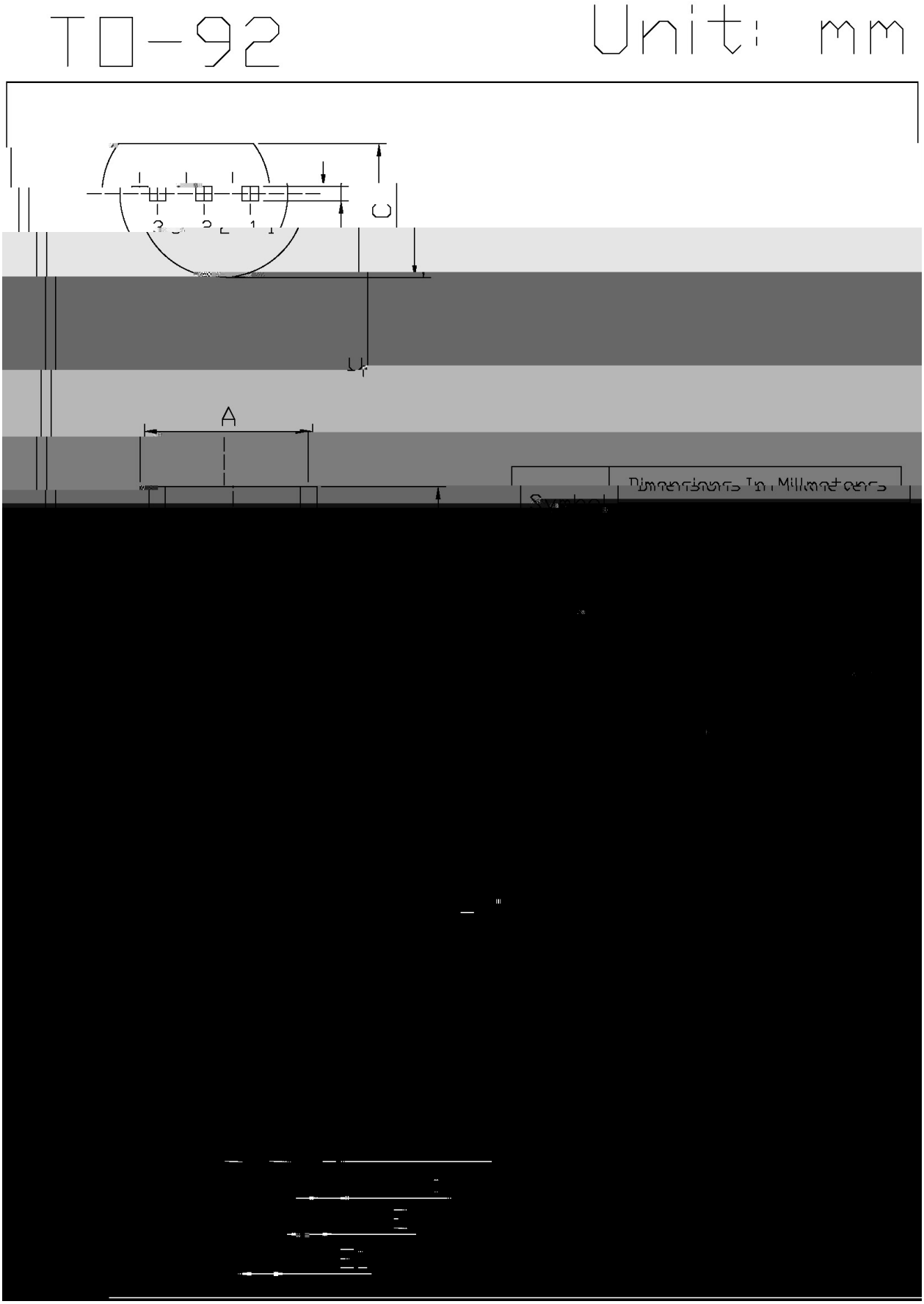
P_C — Ta



f_T — I_E



/ Package Dimensions



( ) / 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 mm3)