2SC2073

Rev.H Oct.-2018

蓝箭电子 BLUE ROCKET ELECTRONICS

DATA SHEET

/ Descriptions

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

/ Features

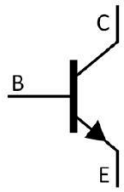
, 2SA940

Wide Safe Operating Area, complementary to 2SA940.

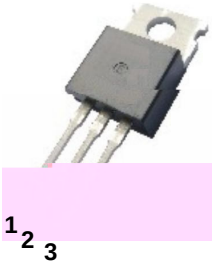
/ Applications

Power amplifier applications, vertical output applications.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

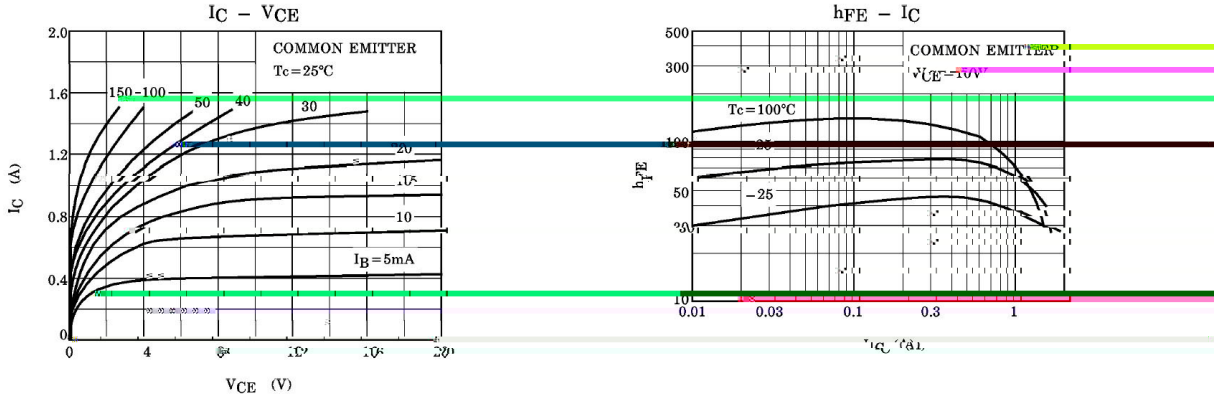
/ h_{FE} Classifications & Marking

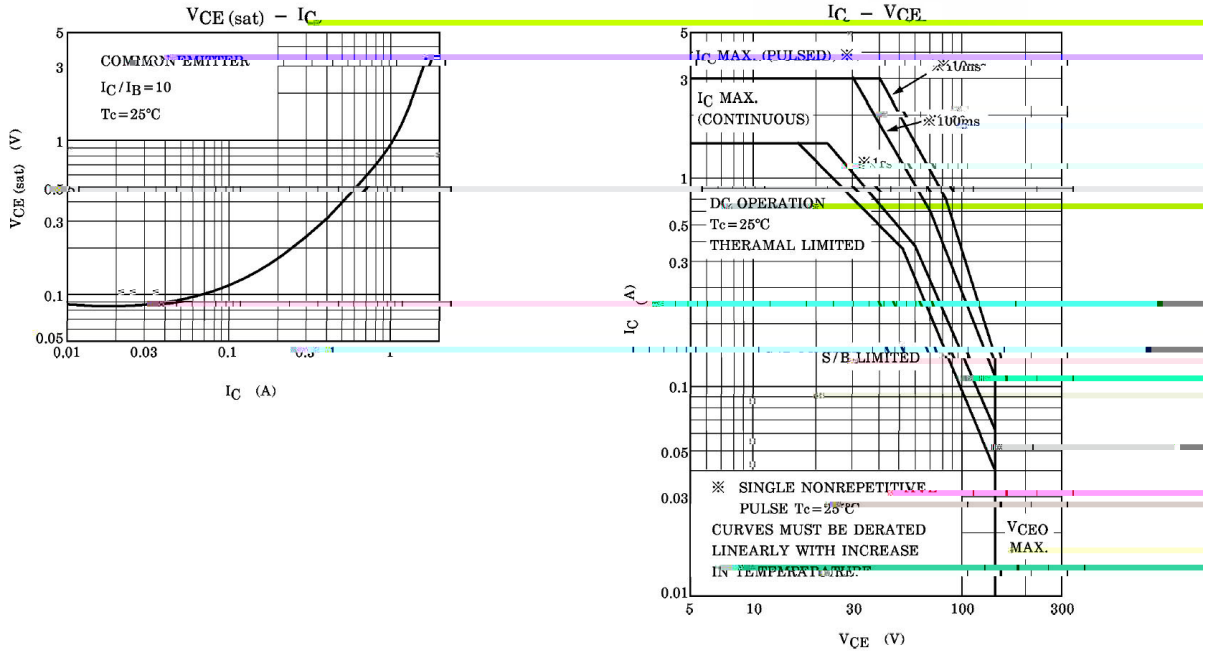
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	150	V
Collector to Emitter Voltage	V_{CEO}	150	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	1.5	A
Base Current - Continuous	I_B	0.5	A
Collector Power Dissipation	P_C	2.0	W
	P_C(Tc=25)	25	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CBO}	V_{CB}=120V I_E=0			10	μA
Emitter Cut-Off Current	I_{EBO}	V_{EB}=5.0V I_C=0			10	μA
DC Current Gain	h_{FE}	V_{CE}=10V I_C=500mA	40	75	140	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	I_C=500mA I_B				

/ Electrical Characteristic Curve





/ Package Dimensions