



isc Silicon NPN Power Transistor

DESCRIPTION

- · Collector-Emitter Breakdown Voltage-
 - :V_{(BR)CEO}= 150V(Min)
- Wide Area of Safe Operation
- Complement to Type 2SA940
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

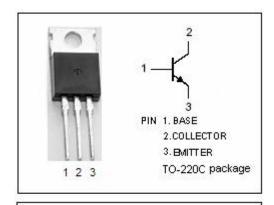


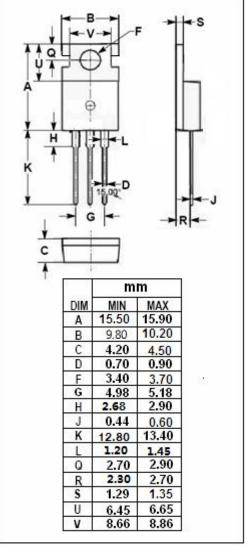
APPLICATIONS

- · Power amplifier applications.
- Vertical output applications.



SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	150	٧
Vceo	Collector-Emitter Voltage	150	V
V _{ЕВО}	Emitter-Base Voltage	5	V
lc	Collector Current-Continuous	1.5	Α
lΒ	Base Current-Continuous	0.5	Α
P _C	Collector Power Dissipation @ T _a =25°C	1.5	W
	Collector Power Dissipation @ Tc=25°C	25	VV
TJ	Junction Temperature	150	$^{\circ}$
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$







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2SC2073

ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = 500mA; I _B = 50mA			1.5	٧
V _{BE(on)}	Base-Emitter On Voltage	I _C = 500mA ; V _{CE} = 10V			0.85	V
I _{CBO}	Collector Cutoff Current	V _{CB} = 120V ; I _E = 0			10	μА
I _{EBO}	Emitter Cutoff Current	V _{EB} = 5V; I _C = 0			10	μА
h _{FE}	DC Current Gain	I _C = 500mA ; V _{CE} = 10V	40		140	
Сов	Output Capacitance	I _E = 0; V _{CB} = 10V; f _{test} = 1MHz		35		pF
f⊤	Current-Gain—Bandwidth Product	I _C = 500mA; V _{CE} = 10V		4		MHz

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