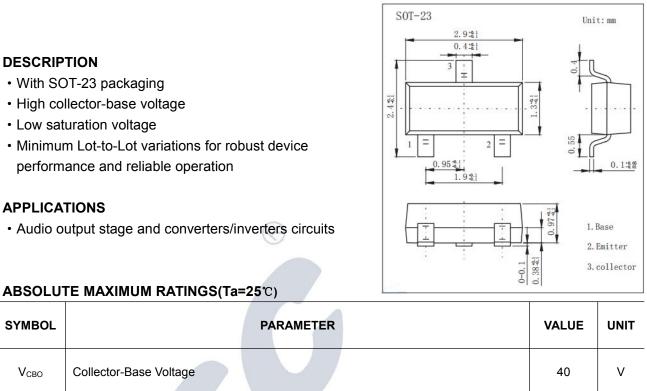


INCHANGE SEMICONDUCTOR

isc Silicon NPN Power Transistor

8050



V _{CBO}	Collector-Base Voltage	40	V
Vceo	Collector-Emitter Voltage	25	V
V _{EBO}	Emitter-Base Voltage	5	V
lc	Collector Current-Continuous	1.5	А
Pc	Collector Power Dissipation @ $T_C=25^{\circ}C$	0.3	W
TJ	Junction Temperature	150	°C
T _{stg}	Storage Temperature Range	-55~150	°C



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ELECTRICAL CHARACTERISTICS

T_c=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	МАХ	UNIT
ВУсво	Collector-Base Breakdown Voltage	I _C = 0.1mA ; I _E = 0	40			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = 1mA ; I _B = 0	25			V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E = 0.1mA ; I _C = 0	5			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = 0.8A; I _B = 0.08A			0.5	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = 0.8A; I _B = 0.08A			1.2	V
Ісво	Collector Cutoff Current	V _{CB} = 40V ; I _E = 0			0.1	μA
I _{EBO}	Emitter Cutoff Current	V _{EB} = 5V; I _C = 0			0.1	μA
H _{FE-1}	DC Current Gain	I _C = 100mA ; V _{CE} = 1V	120		400	
h _{FE-2}	DC Current Gain	Ic= 800mA ; Vce= 1V	40			

Classification of hFE

Rank	L	Н	J
Range	120-200	144-202	300-400

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