

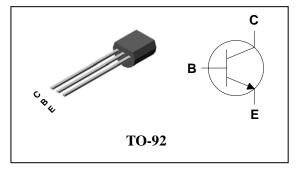
Descriptions

- High current application
- Switching application

Features

- Suitable for AF-Driver stage and low power output stages
- Complementary pair with SBC328

PIN Connection



Ordering Information

Type NO.	Marking	Package Code	
SBC338	SBC338	TO-92	

Absolute maximum ratings

Absolute maximum ratings			(Ta=25°C)		
Characteristic	Symbol	Ratings	Unit		
Collector-Base voltage	V _{CBO}	30	V		
Collector-Emitter voltage	V _{CEO}	25	V		
Emitter-Base voltage	V _{EBO}	5	V		
Collector current	Ι _C	800	mA		
Collector dissipation	Pc	625	mW		
Junction temperature	Tj	150	°C		
Storage temperature	T _{stg}	-55~150	°C		

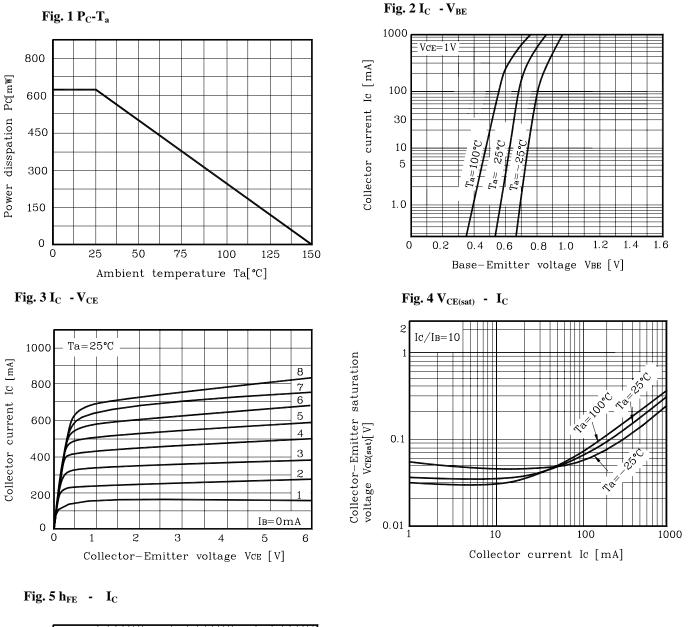
Electrical Characteristics

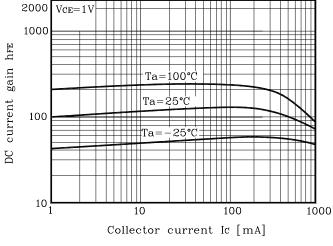
Electrical Characteristics (Ta=25°						=25°C)
Characteristic	Symbol	Test Condition	Min.	Тур.	Max.	Unit
Collector-Emitter breakdown voltage	BV_{CEO}	$I_{C}=1mA$, $I_{B}=0$	25	-	-	V
Base-Emitter turn on voltage	V _{BE(ON)}	V_{CE} =1V, I_{C} =300mA	-	-	1.2	V
Collector-Emitter saturation voltage	$V_{CE(sat)}$	I_{C} =500mA, I_{B} =50mA	-	-	700	mV
Collector cut-off current	I _{CBO}	$V_{CB} = 30V, I_{E} = 0$	-	-	100	nA
DC current gain	h_{FE}^{*}	$V_{CE} = 1V$, $I_{C} = 100mA$	100	-	630	-
Transition frequency	f _T	V_{CB} =5V, I_{C} =10mA	-	100	-	MHz
Collector output capacitance	C _{ob}	V_{CB} =10V, I_E =0, f=1MHz	-	16	-	pF

* : $h_{FE} \operatorname{rank} / 16(A)$: 100 ~ 250, 25(B) : 160 ~ 400, 40(C) : 250 ~ 630

SBC338

Electrical Characteristic Curves

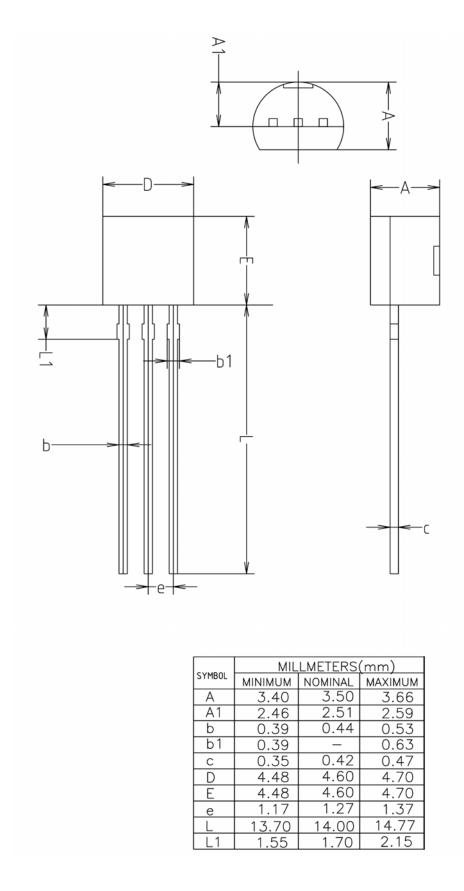




KSD-T0A040-000

SBC338

Outline Dimension



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