

Descriptions

- General purpose application
- Switching application

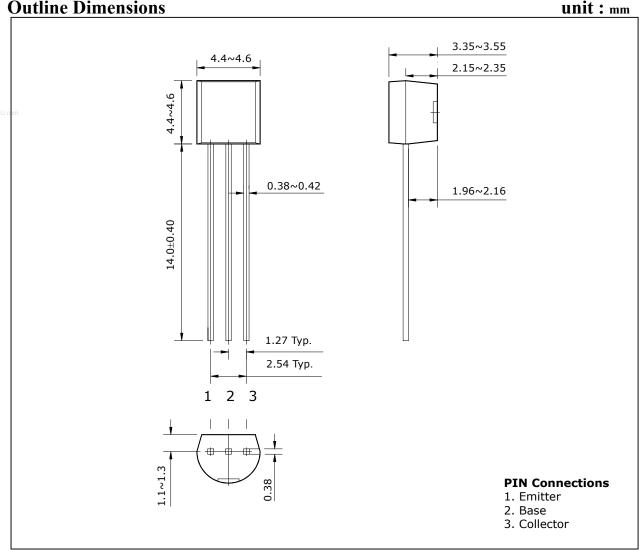
Features

- Large collector current
- Low collector saturation voltage
- Complementary pair with STN2222

Ordering Information

Type NO.	Marking	Package Code		
STN2907	STN2907	TO-92		

Outline Dimensions



KST-9063-003

STN2907

Ta=25°C

Absolute maximum ratings

Characteristic	Symbol	Ratings	Unit
Collector-Base voltage	V _{CBO}	-60	V
Collector-Emitter voltage	V _{CEO}	-40	V
Emitter-Base voltage	V _{EBO}	-5	V
Collector current	I _C	-600	mA
Collector dissipation	P _C	625	mW
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55~150	°C

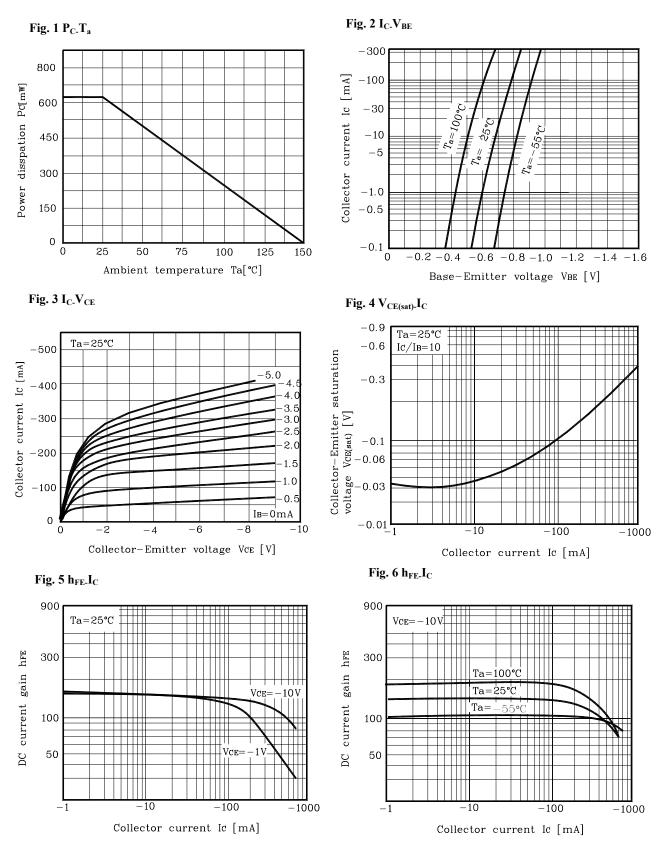
Electrical Characteristics

Ta=25°C

Electrical Characteristics			Ta=25°C			
Characteristic	Symbol	Test Condition	Min.	Тур.	Max.	Unit
Collector-Base breakdown voltage	BV_{CBO}	I_{C} =-10 μ A, I_{E} =0	-60	-	-	V
Collector-Emitter breakdown voltage	BV_{CEO}	I_{C} =-1mA, I_{B} =0	-40	-	-	V
Emitter-Base breakdown voltage	BV_{EBO}	I_{E} =-10 μ A, I_{C} =0	-5	-	-	V
Collector cut-off current	I_{CBO}	V_{CB} =-50V, I_{E} =0	-	-	-10	nA
DC current gain	h _{FE}	V_{CE} =-10V, I_{C} =-10mA	75	-	-	-
Collector-Emitter saturation voltage	$V_{CE(sat)}$	I_{C} =-150mA, I_{B} =-15mA	-	-	-0.4	V
Transistor frequency	f_{T}	V_{CE} =-20V, I_C =-50mA	250	-	-	MHz
Collector output capacitance	C _{ob}	V_{CB} =-10V, I_E =0, f=1MHz	-	6.0	-	pF

STN2907

Electrical Characteristic Curves



KST-9063-003

STN2907

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