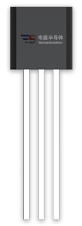
2SA673 TRANSISTOR (PNP)

FEATURES

- Low Frequency Amplifier
- Complementary Pair with 2SC1213



TO-92

1.EMITTER

2.COLLECTOR

3.BASE

ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
2SA673	TO-92	Bulk	1000pcs/Bag
2SA673-TA	TO-92	Tape	2000pcs/Box

MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{CBO}	Collector-Base Voltage	-35	V
V_{CEO}	Collector-Emitter Voltage	-35	V
V_{EBO}	Emitter-Base Voltage	-4	V
I_C	Collector Current -Continuous	-0.5	A
P_D	Collector Power Dissipation	400	mW
$R_{\theta JA}$	Thermal Resistance from Junction to Ambient	312	℃ /W
T_J,T_{stg}	Operation Junction and Storage Temperature Range	-55~+150	℃

T_a=25℃ unless otherwise specified

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	$V_{(BR)CBO}$	I_C=-0.01mA,I_E=0	-35			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$	I_C=-1mA,I_B=0	-35			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	I_E=-0.01mA,I_C=0	-4			V
Collector cut-off current	I_{CBO}	V_{CB}=-20V,I_E=0			-0.5	μA
Emitter cut-off current	I_{EBO}	V_{EB}=-3V,I_C=0			-0.5	μA
DC current gain	$h_{FE(1)}$	V_{CE}=-3V, I_C=-10mA	60		320	
	$h_{FE(2)}^{*}$	V_{CE}=-3V, I_C=-500mA	10			
Collector-emitter saturation voltage	$V_{CE(sat)}^{*}$	I_C=-150mA,I_B=-15mA			-0.6	V
Base-emitter voltage	V_{BE}	V_{CE}=-3V, I_C=-10mA			-0.75	V

*Pulse test: pulse width ≤300μs, duty cycle≤ 2.0%.

CLASSIFICATION OF $h_{FE(1)}$

RANK	B	C	D
RANGE	60-120	100-200	160-320