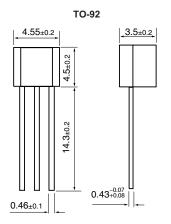


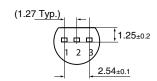
# 2SA673/673A

# PNP Silicon Plastic-Encapsulate Transistor

#### **FEATURES**

- \* Low Frequency Amplifier
- \* Complementary Pair with 2SC1213 and 2SC1213A
- \* RoHS Compliant Product
- \* A suffix of "-C" specifies halogen-free





1: Emitter

2: Base

3: Collector

## MAXIMUM RATINGS (T<sub>A</sub>=25℃ unless otherwise noted)

Symbol	Parameter	Value	Units	
V <sub>CBO</sub>	Collector Page Voltage	2SA673	-35	V
	Collector-Base Voltage 2SA		-50	V
V <sub>CEO</sub>	Collector-Emitter Voltage	2SA673	-35	V
	Collector-Ellitter Voltage	2SA673A	-50	V
$V_{EBO}$	Emitter-Base Voltage		-4	V
Ic	Collector Current -Continuous		-500	mA
Pc	Collector Power dissipation		400	mW
TJ	Junction Temperature		150	<sub>C</sub>
T <sub>stg</sub>	Storage Temperature		-55-150	င

## ELECTRICAL CHARACTERISTICS (Tamb=25°C unless otherwise specified)

Description of the control of the co							
Parameter	Symbol	Test conditions		MIN	TYP	MAX	UNIT
Collector-base breakdown voltage	V <sub>(BR)CBO</sub>	I <sub>C</sub> =-10μΑ,I <sub>E</sub> =0	2SA673	-35			V
Collector-base breakdown voltage			2SA673A	-50			V
Collector-emitter breakdown voltage	V	I <sub>C</sub> =-1mA,I <sub>B</sub> =0	2SA673	-35			V
Collector-emitter breakdown voltage	$V_{(BR)CEO}$		2SA673A	-50			V
Emitter-base breakdown voltage	$V_{(BR)EBO}$	I <sub>E</sub> =-10μA,I <sub>C</sub> =0		-4			V
Collector cut-off current	I <sub>CBO</sub>	V <sub>CB</sub> = -20 V, I <sub>E</sub> =0				-0.5	μA
DC current gain	*h <sub>FE(1)</sub>	V <sub>CE</sub> =-3V, I <sub>C</sub> = -10mA		60		320	
	h <sub>FE(2)</sub>	V <sub>CE</sub> =-3V, I <sub>C</sub> =-500mA		10			
Collector-emitter saturation voltage	*V <sub>CEsat</sub>	I <sub>C</sub> = -150mA, I <sub>B</sub> =-15mA				-0.6	V
Base-emitter voltage	V <sub>BE</sub>	V <sub>CE</sub> =-3V, I <sub>C</sub> =-10mA			-0.64		V

<sup>\*</sup> Pulse test.

### CLASSIFICATION OF h<sub>FE(1)</sub>

Rank	В	С	D
Range	60-120	100-200	160-320

http://www.SeCoSGmbH.com/

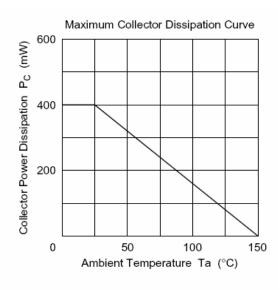
Any changing of specification will not be informed individual

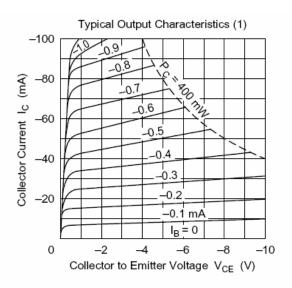


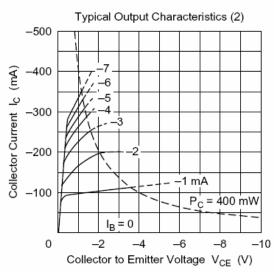
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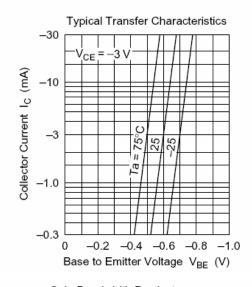
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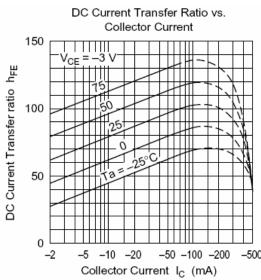
#### **CHARACTERISTICS CURVE**

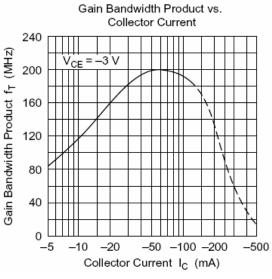












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