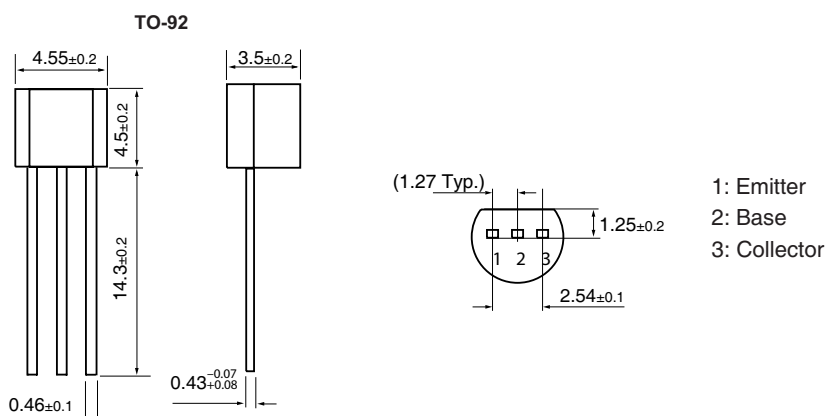


## FEATURES

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



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

Symbol	Parameter		Value	Units
V <sub>CB0</sub>	Collector-Base Voltage	2SA673	-35	V
		2SA673A	-50	
V <sub>CEO</sub>	Collector-Emitter Voltage	2SA673	-35	V
		2SA673A	-50	
V <sub>EBO</sub>	Emitter-Base Voltage		-4	V
I <sub>C</sub>	Collector Current -Continuous		-500	mA
P <sub>C</sub>	Collector Power dissipation		400	mW
T <sub>J</sub>	Junction Temperature		150	°C
T <sub>stg</sub>	Storage Temperature		-55-150	°C

## ELECTRICAL CHARACTERISTICS (T<sub>amb</sub>=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	TYP	MAX	UNIT
Collector-base breakdown voltage	V <sub>(BR)CBO</sub>	I <sub>C</sub> =-10μA, I <sub>E</sub> =0	2SA673	-35		V
			2SA673A	-50		
Collector-emitter breakdown voltage	V <sub>(BR)CEO</sub>	I <sub>C</sub> =-1mA, I <sub>B</sub> =0	2SA673	-35		V
			2SA673A	-50		
Emitter-base breakdown voltage	V <sub>(BR)EBO</sub>	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

\* Pulse test.

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

Rank	B	C	D
Range	60-120	100-200	160-320

**CHARACTERISTICS CURVE**

