

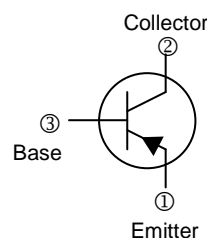
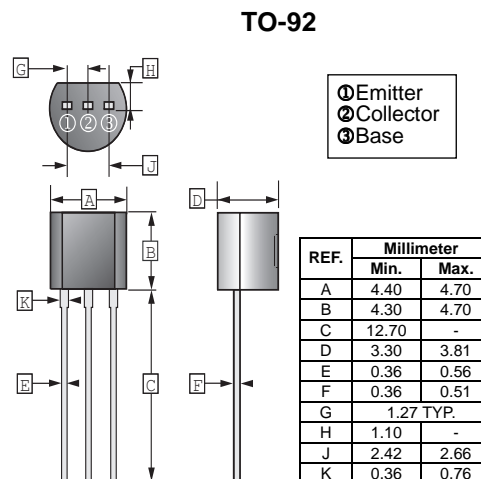
RoHS Compliant Product
A suffix of "-C" specifies halogen and lead free

FEATURES

- Low frequency amplifier
- Complementary pair with 2SC1213 and 2SC1213A

CLASSIFICATION OF $h_{FE(1)}$

Product-Rank	2SA673-B	2SA673-C	2SA673-D
Product-Rank	2SA673A-B	2SA673A-C	2SA673A-D
Range	60~120	100~200	160~320



ABSOLUTE MAXIMUM RATINGS ($T_A = 25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	2SA673	-35
		2SA673A	-50
Collector to Emitter Voltage	V_{CEO}	2SA673	-35
		2SA673A	-50
Emitter to Base Voltage	V_{EBO}	-4	V
Continuous Collector Current	I_C	-500	mA
Collector Power Dissipation	P_C	400	mW
Junction, Storage Temperature	T_J, T_{STG}	150, -55~150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions	
Collector to Base Breakdown Voltage	$V_{(BR)CBO}$	2SA673	-35	-	-	V	$I_C = -10\mu\text{A}, I_E = 0$
		2SA673A	-50	-	-		
Collector to Emitter Breakdown Voltage	$V_{(BR)CEO}$	2SA673	-35	-	-	V	$I_C = -1\text{mA}, I_B = 0$
		2SA673A	-50	-	-		
Emitter to Base Breakdown Voltage	$V_{(BR)EBO}$	-4	-	-	V	$I_E = -10\mu\text{A}, I_C = 0$	
Collector Cut - Off Current	I_{CBO}	-	-	-0.5	μA	$V_{CB} = -20\text{V}, I_E = 0$	
DC Current Gain	$h_{FE(1)}$	60	-	320		$V_{CE} = -3\text{V}, I_C = -10\text{mA}$	
	$h_{FE(2)}^*$	10	-	-		$V_{CE} = -3\text{V}, I_C = -500\text{mA}$	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}^*$	-	-	-0.6	V	$I_C = -150\text{mA}, I_B = -15\text{mA}$	
Collector to Emitter Voltage	V_{BE}	-	-0.64	-	V	$V_{CE} = -3\text{V}, I_C = -10\text{mA}$	

* Pulse test: pulse width $\leq 300\mu\text{s}$, duty cycles $\leq 2.0\%$.

CHARACTERISTIC CURVES

