

ST 2SA608N

PNP Silicon Epitaxial Planar Transistor

Low - Frequency General - Purpose Amplifier Applications.

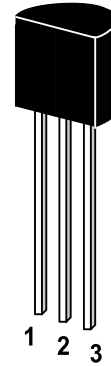
The transistor is subdivided into two groups F and G according to its DC current gain.

Applications:

- Capable of being used in the low frequency to high frequency range.

Features:

- Large current capacity and wide ASO.

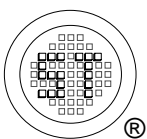


1. Emitter 2. Collector 3. Base

TO-92 Plastic Package
Weight approx. 0.19g

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

	Symbol	Value	Unit
Collector Base Voltage	$-V_{CBO}$	50	V
Collector Emitter Voltage	$-V_{CEO}$	50	V
Emitter Base Voltage	$-V_{EBO}$	6	V
Collector Current	$-I_C$	150	mA
Collector Current (Pulse)	$-I_{CP}$	400	mA
Collector Dissipation	P_{tot}	500	mW
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_S	-55 to +150	$^\circ\text{C}$



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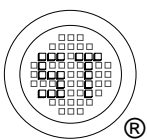


Dated : 17/05/2004

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Characteristics at $T_{amb}=25\text{ }^{\circ}\text{C}$

	Symbol	Min.	Typ.	Max.	Unit
DC Current Gain at $-V_{CE}=6\text{V}$, $-I_C=1\text{mA}$					
Current Gain Group F	h_{FE}	160	-	320	-
G	h_{FE}	280	-	560	-
at $-V_{CE}=6\text{V}$, $-I_C=0.1\text{mA}$	h_{FE}	70	-	-	-
Collector Base Breakdown Voltage at $-I_C=10\mu\text{A}$	$-V_{(BR)CBO}$	60	-	-	V
Collector Emitter Breakdown Voltage at $-I_C=1\text{mA}$	$-V_{(BR)CEO}$	50	-	-	V
Emitter Base Breakdown Voltage at $-I_E=10\mu\text{A}$	$-V_{(BR)EBO}$	6	-	-	V
Collector Cutoff Current at $-V_{CB}=40\text{V}$	$-I_{CBO}$	-	-	0.1	μA
Emitter Cutoff Current at $-V_{EB}=5\text{V}$	$-I_{EBO}$	-	-	0.1	μA
Collector Emitter Saturation Voltage at $-I_C=100\text{mA}$, $-I_B=10\text{mA}$	$-V_{CE(sat)}$	-	-	0.3	V
Base Emitter Saturation Voltage at $-I_C=100\text{mA}$, $-I_B=10\text{mA}$	$-V_{BE(sat)}$	-	-	1	V
Gain Bandwidth Product at $-V_{CE}=6\text{V}$, $-I_C=10\text{mA}$	f_T	-	200	-	MHz
Output Capacitance at $-V_{CB}=6\text{V}$, $f=1\text{MHz}$	C_{OB}	-	4.5	-	pF



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ISO/TS 16949 : 2002 Certificate No. 05103
 ISO 14001:2004 Certificate No. 7116
 ISO 9001:2000 Certificate No. 0508098

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