

## 2SA698

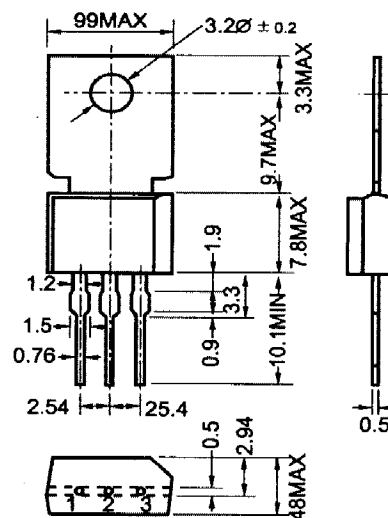
Silicon PNP Transistors

### ◆ Features

□ With TO-202 package

### ◆ Absolute Maximum Ratings $T_c=25^\circ\text{C}$ □

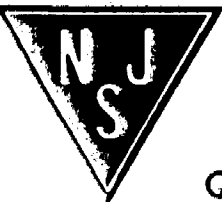
SYMBOL	PARAMETER	RATING	UNIT
$V_{CB0}$	Collector to base voltage	130	V
$V_{CE0}$	Collector to emitter voltage	130	V
$V_{EB0}$	Emitter to base voltage	5.0	V
$I_B$	Base current		
$I_C$	Collector current	0.8	A
$P_C$	Collector power dissipation	7	W
$T_j$	Junction temperature	150	□
$T_{stg}$	Storage temperature	-55~150	□



TO-202

### ◆ Electrical Characteristics $T_c=25^\circ\text{C}$ □

SYMBOL	PARAMETER	CONDITIONS	MIN	TYPE	MAX	UNIT
$I_{CB0}$	Collector-base cut-off current	$V_{CB}=120\text{V}; I_E=0$			1	$\mu\text{A}$
$I_{EB0}$	Emitter-base cut-off current	$V_{EB}=5\text{V}; I_C=0$			100	$\mu\text{A}$
$I_{CE0}$	Collector-emitter cut-off current	$V_{CE}=120\text{V}; I_E=0$			100	$\mu\text{A}$
$V_{CB0}$	Collector-base breakdown voltage	$I_C=1\text{mA}; I_E=0$	130			V
$V_{CE0}$	Collector-emitter voltage	$I_C=10\text{mA}; I_B=0$	130			V
$V_{EB0}$	Emitter-base breakdown voltage					
$V_{CE(sat-1)}$	Collector-emitter saturation voltages	$I_C=0.5\text{A}; I_B=0.05\text{A}$			1.0	V
$V_{CE(sat-2)}$	Collector-emitter saturation voltages					
$h_{FE-1}$	Forward current transfer ratio					
$h_{FE-2}$	Forward current transfer ratio	$I_C=0.2\text{A}; V_{CE}=5\text{V}$	60		200	
$V_{BE(sat)1}$	Base-emitter saturation voltages					
$V_{BE(sat)2}$	Base-emitter saturation voltages					
$V_{BE(sat)3}$	Base-emitter saturation voltages					
$f_T$	Transition frequency at $f=1\text{MHz}$					



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