

No.3709

2SA1798

PNP Epitaxial Planar Silicon Transistor

20V/8A Switching Applications

Features

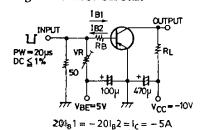
- · Adoption of MBIT processes.
- · Low saturation voltage.
- · Fast switching speed.
- · Large current capacity.

$\begin{array}{ccccc} \textbf{Absolute Maximum Ratings at Ta} = 25^{\circ}\text{C} & \text{unit} \\ \textbf{Collector-to-Base Voltage} & \textbf{V}_{CBO} & -25 & \textbf{V} \\ \textbf{Collector-to-Emitter Voltage} & \textbf{V}_{CEO} & -20 & \textbf{V} \\ \end{array}$	
Collector-to-Emitter Voltage $V_{ m CEO}$ — 20 V	
THE COLUMN THE SECOND S	
Emitter-to-Base Voltage $V_{ m EBO}$ —5 V	
Collector Current I _C _8 A	
Collector Current (Pulse) I _{CP} -12 A	
Base Current I_B -1.5 A	
Collector Dissipation $P_{\rm C}$ 1.5 W	
$Tc = 25^{\circ}C 10 W$	
Junction Temperature Tj 150 °C	
Storage Temperature Tstg -55 to $+150$ °C	
Electrical Characteristics at Ta = 25°C min typ max un	it.
C 11 . C . C . C	Α
	A
DC Current Gain $h_{FE}(1)$ $V_{CE} = -2V$, $I_C = -500$ mA $100 \times 400 \times 100$	^ ^
$h_{FE}(2)$ $V_{CE} = -2V, I_{C} = -6A$ 60	
Gain-Bandwidth Product f_T $V_{CE} = -2V, I_C = -500 \text{mA}$ 200 MH	Ιz
C-E Saturation Voltage $V_{CE(sat)}$ $I_C = -5A, I_B = -250 \text{mA}$ $-220 -400 \text{ m}$	
	V
	\mathbf{F}
ADD 11 YEAR OF THE PARTY OF THE	v
	v
	v
Turn ON Time	ns
Storage Time	าร
Foll Time	as

 \times : The 2SA1798 is classified by 500mA h_{FE} as follows.

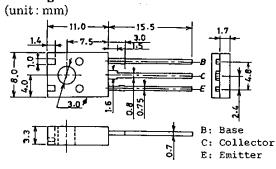
	100	R	200	140	S	280	200	Т	400		

Switching Time Test Circuit



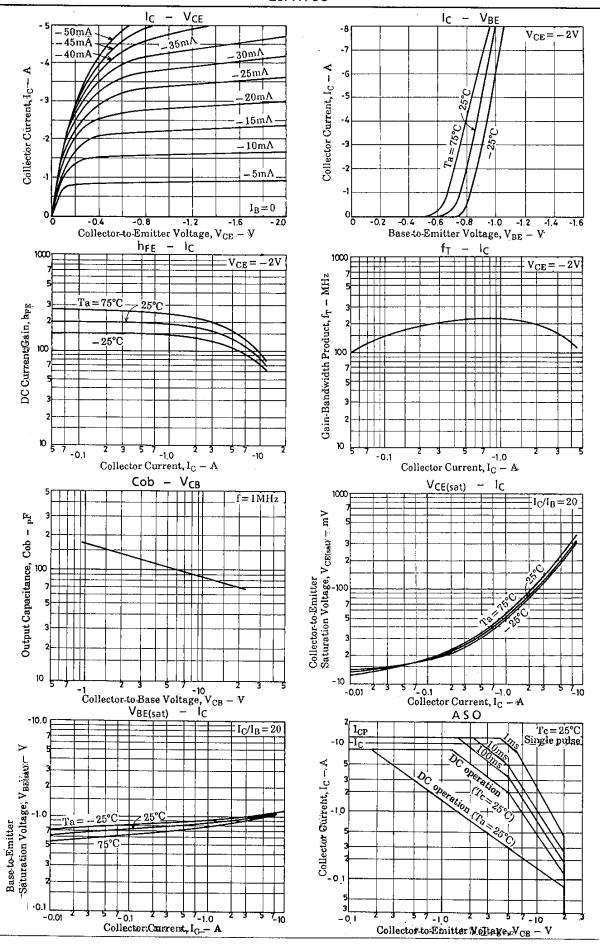
Unit (Resistance : Ω , Capacitance : F)

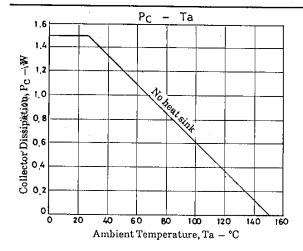
Package Dimensions 2042A

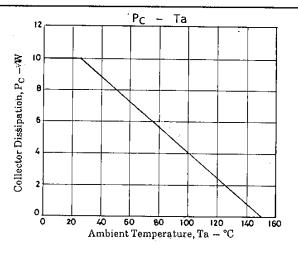


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