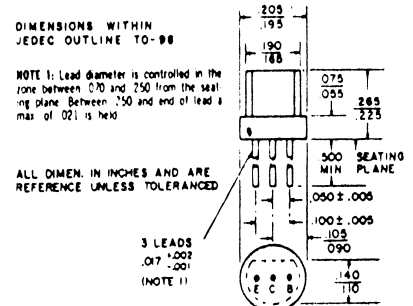




absolute maximum ratings: (25°C) (unless otherwise specified)

<b>Voltages</b>			
Collector to Emitter	$V_{CEO}$	18	V
Emitter to Base	$V_{EBO}$	5	V
Collector to Base	$V_{CBO}$	18	V
<b>Current</b>			
Collector (Steady State)*	$I_C$	100	ma
<b>Dissipation</b>			
Total Power (Free air at 25°C)**	$P_T$	360	mw
Total Power (Free air at 55°C)**	$P_T$	260	mw
<b>Temperature</b>			
Storage	$T_{STG}$	-55 to +125°C	
Operating	$T_J$	+125°C	

\*Determined from power limitations due to saturation voltage at this current.  
\*\*Derate 2.67 mw/°C increase in ambient temperature above 25°C.



electrical characteristics: (25°C) (unless otherwise specified)

	Sym.	Min.	Max.	Units
<b>STATIC CHARACTERISTICS</b>				
Collector Cutoff Current ( $V_{CB} = 18V$ )	$I_{CBO}$		0.1	$\mu A$
( $V_{CB} = 18V, T_A = 100^\circ C$ )	$I_{CBO}$		10.0	$\mu A$
Emitter Cutoff Current ( $V_{EB} = 5V$ )	$I_{EBO}$		0.1	$\mu A$
Collector Cutoff Current ( $V_{CE} = 25V$ )	$I_{CES}$		0.1	$\mu A$
Forward Current Transfer Ratio ( $V_{CE} = 4.5V, I_C = 2mA$ )	$h_{FE}$	400	800	
Collector-Emitter Breakdown Voltage ( $I_C = 1mA$ )	$V_{(BR)CEO}$	25		V
<b>DYNAMIC CHARACTERISTICS</b>				
Forward Current Transfer Ratio ( $V_{CE} = 4.5V, I_C = 2mA, f = 1kHz$ )	$h_{fe}$	400	1250	
Output Capacitance, Common Base ( $V_{CB} = 10V, I_E = 0, f = 1MHz$ )	$C_{cbo}$	2	10	pF

