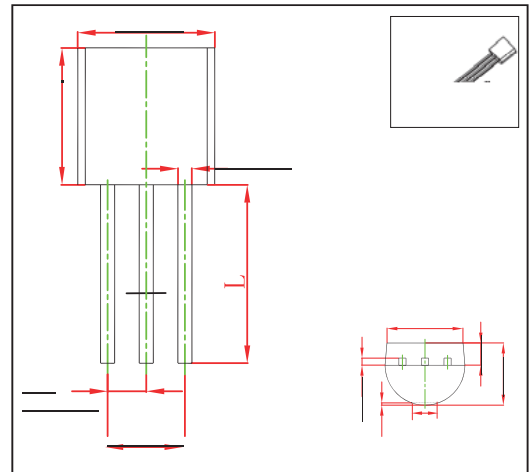


HC! - &`D`Ugh]W!9bWUdg i`UhY`HfUbg]ghc f g`

: 95H I F9GÁÁÁ  
 Û , á c & @ á } \* Á æ } á Á æ { ] | á - á & æ c á [ } Á á } Á @ á \* @ Á Ç [ | c æ \* ^  
 Ç E ] ] | á & æ c á [ } • Á • ~ & @ Á æ • Á c ^ | ^ } @ [ ] ^ Á  
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**A97 < 5B = 75 @ 85H5**  
 VUËJGÁ Á



A5L = A I A`F5H = B ; G`5B8`7 < 5F57H9F = GH = 7G

$\hat{O} [   \wedge \& c [ ! \hat{E} \hat{O} \hat{x} \wedge \hat{X} [   c \hat{x} * \wedge$	$V_{CBO}$	$I \epsilon$	XÁ
$\hat{O} [   \wedge \& c [ ! \hat{E} \hat{O} \{ \hat{a} c c \wedge \hat{X} [   c \hat{x} * \wedge$	$V_{CEO}$	$I \epsilon$	XÁ
$\hat{O} \{ \hat{a} c c \wedge ! \hat{E} \hat{O} \hat{x} \wedge \hat{X} [   c \hat{x} * \wedge$	$V_{EBO}$	$I$	X
$\hat{O} [   \wedge \& c [ ! \hat{A} \hat{O} \sim     \wedge \} c \hat{E} \hat{O} [ ] c \hat{a} \} \sim [ \sim \bullet$	$I_c$	$I \epsilon \epsilon$	{ Ç E
$\hat{O} [   \wedge \& c [ ! \hat{A} \hat{U} [ , \wedge ! \hat{A} \hat{a} \hat{i} \bullet \bullet \hat{a} \} \hat{x} \hat{c} \hat{a} [ ]$	$P_c$	$\epsilon \hat{I} \hat{G} \hat{I}$	Y
$R \sim \} \& c \hat{a} [ ] \hat{A} V \wedge \{ ] \wedge ! \hat{x} c \sim   \wedge$	$T_J$	$F I \epsilon$	$^{\circ} C$
$\hat{U} c [ ! \hat{x} * \wedge \hat{A} V \wedge \{ ] \wedge ! \hat{x} c \sim   \wedge$	$T_{stg}$	$\hat{E} \hat{I} \hat{I} \hat{A} \hat{E} F \hat{I} \hat{O}$	$^{\circ} C$
$V @ \wedge ! \{ \hat{x} \hat{a} \hat{U} \wedge \hat{a} \bullet c \hat{x} \} \& \wedge \hat{E} \hat{b} \sim \} \& c \hat{a} [ ] \hat{A} c [ \hat{A} C E \{ \hat{a} \hat{a} \wedge \} c$	$R_{\theta JA}$	HÍÍ	$^{\circ} C \{ Y$

Parameter	$\hat{U} \sim \{ \hat{a} [  $	$V \wedge \bullet c \hat{A} \hat{A} \& [ ] \hat{a} \hat{a} c \hat{a} [ ] \bullet$	$T_{in}$	$T_a$	$W_{nit}$
Collector-base breakdown voltage	$X_{\hat{C} \hat{O} \hat{U} \hat{B} \hat{O} \hat{U} \hat{A}}$	$Q_0 \quad A \hat{A} \hat{E} \hat{A} \hat{O} M \epsilon$	$I \epsilon$		X
Collector-emitter breakdown voltage	$X_{\hat{C} \hat{O} \hat{U} \hat{B} \hat{O} \hat{U} \hat{A}}$	$Q_0 M F \hat{A} \{ C E \hat{A} \hat{O} M \epsilon$	$I \epsilon$		X
Emitter-base breakdown voltage	$X_{\hat{C} \hat{O} \hat{U} \hat{B} \hat{O} \hat{U} \hat{A}}$	$Q_0 \quad A, Q_0 M \epsilon$	$I$		X
Collector cut-off current	$Q_{\hat{C} \hat{O} \hat{U}}$	$X_{\hat{O} \hat{O} M H \hat{I} X \hat{E} \hat{A} \hat{O} M \epsilon$		$\epsilon \hat{E} F \hat{A}$	A
Emitter cut-off current	$Q_{\hat{C} \hat{O} \hat{U}}$	$X_{\hat{O} \hat{O} M \hat{I} X \hat{E} \hat{A} \hat{O} M \epsilon$		$\epsilon \hat{E} F \hat{A}$	A
DC current gain	$@_{\hat{C} \hat{O} \hat{C} \hat{F} \hat{A}}$	$X_{\hat{O} \hat{O} M F X \hat{E} \hat{A} \hat{O} M \hat{A} \epsilon \hat{E} F \{ C E$	$G \epsilon$		
	$@_{\hat{C} \hat{O} \hat{C} \hat{E} \hat{A}}$	$X_{\hat{O} \hat{O} M F X \hat{E} \hat{A} \hat{O} M F \{ C E$	$I \epsilon$		
	$@_{\hat{C} \hat{O} \hat{C} \hat{H} \hat{A}}$	$X_{\hat{O} \hat{O} M F X \hat{E} \hat{A} \hat{O} M \hat{A} F \epsilon \{ C E$	$I \epsilon$		
	$@_{\hat{C} \hat{O} \hat{C} \hat{I} \hat{D} \hat{A}}$	$X_{\hat{O} \hat{O} M F X \hat{E} \hat{A} \hat{O} M F \hat{I} \epsilon \{ C E$	$F \epsilon \epsilon$	$H \epsilon \epsilon$	
	$@_{\hat{C} \hat{O} \hat{C} \hat{I} \hat{D} \hat{A}}$	$X_{\hat{O} \hat{O} M G X \hat{E} \hat{A} \hat{O} M \hat{A} \hat{I} \epsilon \epsilon \{ C E$	$I \epsilon$		
Collector-emitter saturation voltage	$X_{\hat{O} \hat{O} \hat{C} \bullet \hat{x} \hat{c} \hat{O} \hat{F} \hat{A}}$	$Q_0 M \hat{I} \hat{E} \hat{A} \{ C E \hat{A} \hat{O} M F \hat{I} \epsilon \{ C E$		$\epsilon \hat{E} \hat{I}$	X
	$X_{\hat{O} \hat{O} \hat{C} \bullet \hat{x} \hat{c} \hat{O} \hat{G} \hat{A}}$	$Q_0 M \hat{I} \hat{E} \hat{A} \{ C E \hat{A} \hat{O} M \hat{I} \epsilon \{ C E$		$\epsilon \hat{E} \hat{I} \hat{I}$	X
Base-emitter saturation voltage	$X_{\hat{O} \hat{O} \hat{C} \bullet \hat{x} \hat{c} \hat{O} \hat{F} \hat{A}}$	$Q_0 M \hat{I} \hat{E} \hat{A} \{ C E \hat{A} \hat{O} M F \hat{I} \epsilon \{ C E$		$\epsilon \hat{E} \hat{J} \hat{I}$	X
	$X_{\hat{O} \hat{O} \hat{C} \bullet \hat{x} \hat{c} \hat{O} \hat{G} \hat{A}}$	$Q_0 M \hat{I} \hat{E} \hat{A} \{ C E \hat{A} \hat{O} M \hat{I} \epsilon \{ C E$		$F \hat{E} \hat{G}$	X
Transition frequency	$\hat{A} \hat{V} \hat{A}$	$X_{\hat{O} \hat{O} M \hat{A} F \hat{E} X \hat{E} \hat{A} \hat{O} M \hat{A} G \epsilon \{ C E \hat{A}$ $\hat{M} F \epsilon \hat{E} T P : \hat{A}$	$G \hat{I} \epsilon$		TP:
Output Capacitance	$\hat{O} \hat{I} \hat{a} \hat{A}$	$X_{\hat{O} \hat{O} M F \hat{E} X \hat{E} \hat{A} \hat{O} M \hat{A} \hat{E} \hat{A}$ $\hat{M} F \epsilon \hat{E} S P : \hat{A}$			
Delay time	$c_a$	$X_{\hat{O} \hat{O} M H \hat{E} X \hat{E} \hat{A} X_{\hat{O} \hat{O} \hat{C} \bullet \hat{x} \hat{c} \hat{O} \hat{G} X \hat{A}}$		$F \hat{I}$	}s
Rise time	$c_i \hat{A}$	$Q_0 M F \hat{I} \hat{E} \hat{A} \{ C E \hat{A} \hat{O} F M F \hat{I} \epsilon \{ C E \hat{A}$		$G \epsilon$	}s
Storage time	$c_U$	$X_{\hat{O} \hat{O} M H \hat{E} X \hat{E} \hat{A} \hat{O} M F \hat{I} \epsilon \{ C E \hat{A}$		$G \hat{G} \hat{I}$	}s
Fall time	$c \hat{A}$	$Q_0 F M \hat{E} \hat{Q}_0 M \hat{A} F \hat{I} \epsilon \{ C E \hat{A}$		$H \epsilon$	}s

