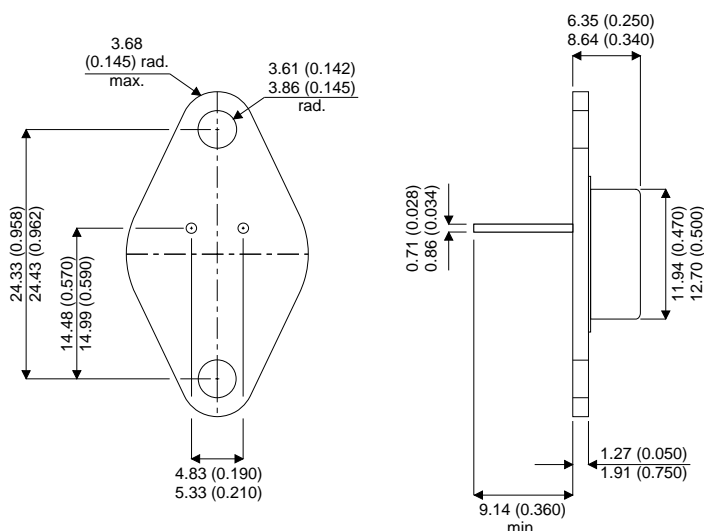


**MECHANICAL DATA**

Dimensions in mm



**TO66 Package.**

Pin 1 – Base      Pin 2 – Emitter      Case - Collector

**PNP  
SILICON TRANSISTOR,  
EPITAXIAL BASE**

**FEATURES:**

- LF Large Signal Power Amplification
- Medium Current Switching

**ABSOLUTE MAXIMUM RATINGS** ( $T_{case} = 25^{\circ}C$  unless otherwise stated)

$V_{CBO}$	Collector – Base Voltage (Open Emitter)	- 90V
$V_{CEO}$	Collector – Emitter Voltage (Open Base)	- 55V
$V_{CER}$	Collector – Emitter Voltage $R_{BE} = 100\Omega$	- 60V
$V_{CEX}$	Collector – Base Voltage $V_{BE} = +1.5V$	- 90V
$V_{EBO}$	Emitter – Base Voltage	-7V
$I_C$	Collector Current	-4V
$I_B$	Base Current	-2V
$P_{tot}$	Power Dissipation	29W
$T_J$	Maximum Junction Temperature	200°C
$T_{STG}$	Storage Temperature	-65 to 200°C
$R_{th-(j-c)}$	Junction to Case.	6°C / W

**ELECTRICAL CHARACTERISTICS** ( $T_{case} = 25^{\circ}C$  unless otherwise stated)

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
$I_{CEX}$ Collector Emitter Cut Off Current	$V_{CE} = -90V$ $V_{BE} = +1.5V$			-1	mA
	$V_{CE} = -30V$ $V_{BE} = +1.5V$ $T_{case} = 150^{\circ}C$			-5	
$V_{CEO(SUS)}$ * Collector Emitter Breakdown Voltage	$I_C = -100mA$ $I_B = 0$	-55			V
$V_{CER(SUS)}$ * Collector Emitter Breakdown Voltage	$I_C = -100mA$ $R_{BE} = 100\Omega$	-60			
$V_{(BR)EBO}$ * Emitter Base Breakdown Voltage	$I_E = -1A$ $I_C = 0$	-7			V
$h_{21E}$ * Static Forward Current Transfer Ratio	$V_{CE} = -4V$ $I_C = -0.5A$	25		250	—
$V_{CE(sat)}$ * Collector Emitter Saturation Voltage	$I_C = -0.5A$ $I_B = -0.05A$			-1	V
$V_{BE}$ * Base Emitter Voltage	$V_{CE} = -4V$ $I_C = -0.5A$			-1.7	V
$f_T$ Transition Frequency	$V_{CB} = -10V$ $I_C = -0.2A$ $f = 1MHz$	4			MHz

\* Pulse test  $t_p = 300\mu s$  ,  $\delta < 2\%$



LittleDiode supplies new, hard to find or obsolete electronic components and semiconductors all over the world.

With over two million different components listed you are sure to find the part you need.

Feel free to visit us today at our online store:

**[LittleDiode.com](http://LittleDiode.com)**

Looking forward to providing you with the best possible service.