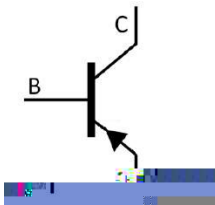


Rev.E Mar.-2016

TO-92 PNP Silicon PNP transistor in a TO-92 Plastic Package.

High breakdown voltage, high current, low saturation voltage.

Low frequency power amplifier applications.



PIN1 Base PIN 2 Collector PIN 3 Emitter

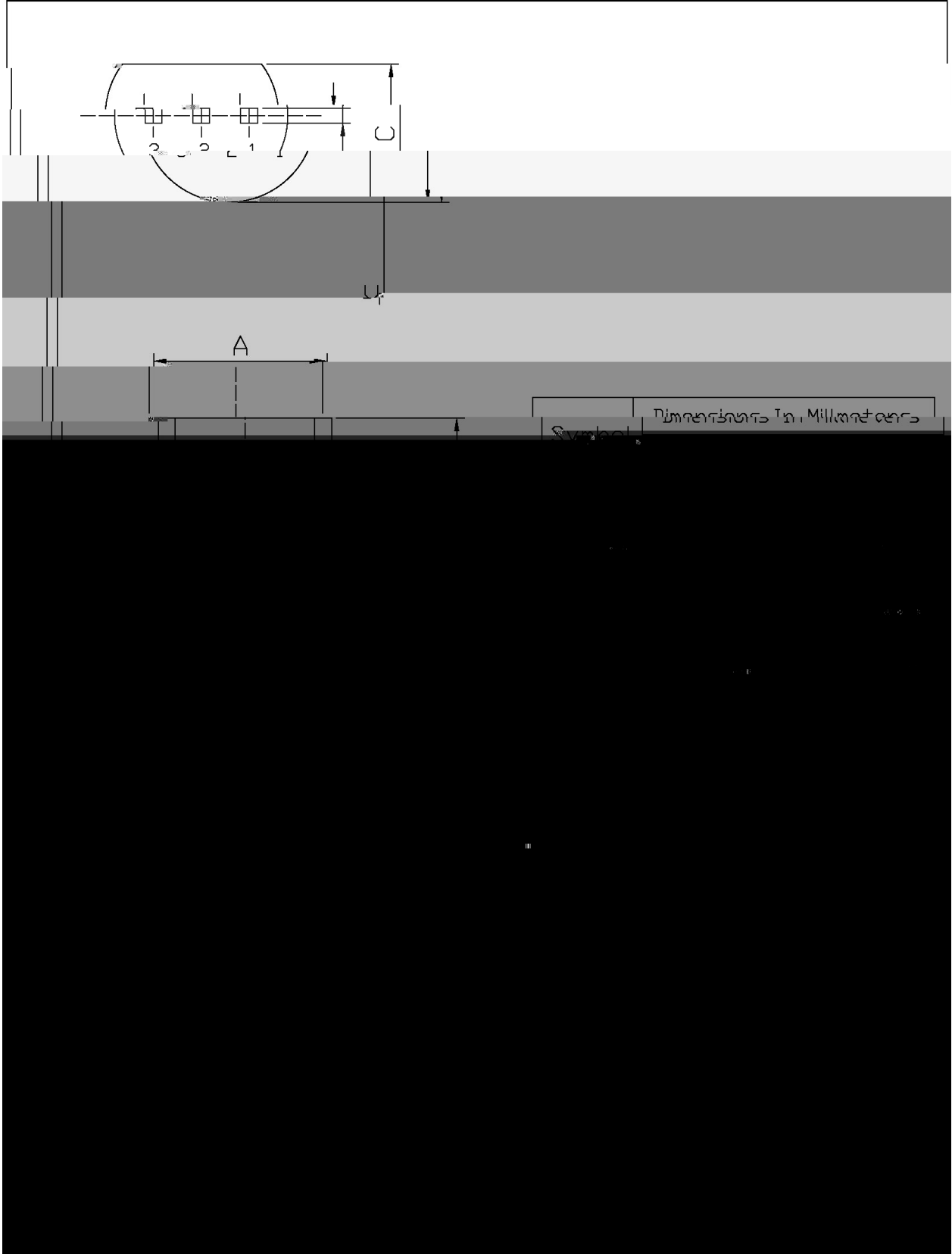
h_{FE} Classifications Symbol	D	E	F
h_{FE} Range	60~120	100~200	160~320

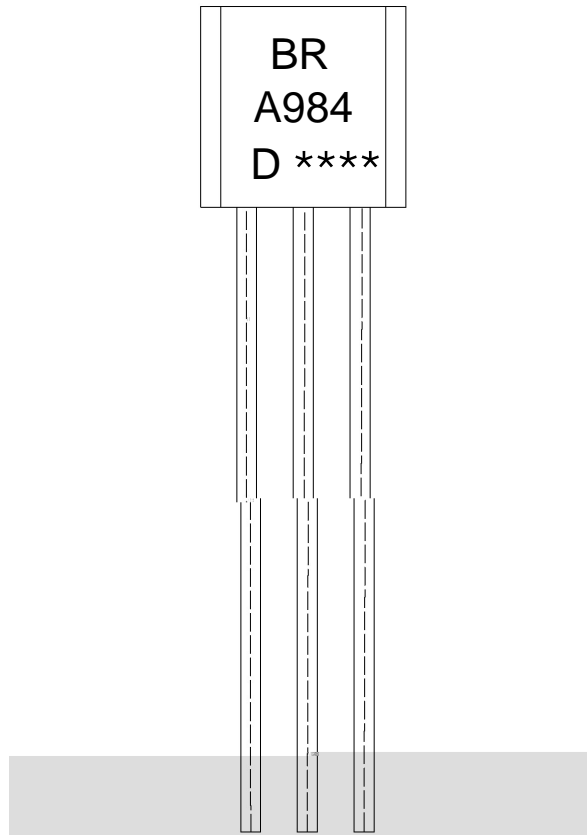
Parameter	Symbol		Rating	Unit
Collector to Base Voltage	V_{CBO}	2SA984	-60	V
		2SA984K	-100	
Collector to Emitter Voltage	V_{CEO}	2SA984	-50	V
		2SA984K	-80	
Emitter to Base Voltage	V_{EBO}		-5.0	V
Collector Current - Continuous	I_C		-500	mA
Collector Current – Continuous(Pulse)	I_{CP}		-800	mA
Collector Power Dissipation	P_C		600	mW
Junction Temperature	T_j		150	
Storage Temperature Range	T_{stg}		-55 150	

Parameter	Symbol		Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	2SA984	$I_C=-10\mu A$ $I_E=0$	-60			V
		2SA984K		-100			
Collector to Emitter Breakdown Voltage	V_{CEO}	2SA984	$I_C=-1.0mA$ $R_{BE}=\infty$	-50			V
		2SA984K		-80			
Emitter to Base Breakdown Voltage	V_{EBO}		$I_E=-10\mu A$ $I_C=0$	-5.0			V
Collector Cut-Off Current	I_{CBO}		$V_{CB}=-40V$ $I_E=0$			-1.0	μA
Emitter Cutoff Current	I_{EBO}		$V_{EB}=-4.0V$ $I_C=0$			-1.0	μA
DC Current Gain	$h_{FE(1)}$		$V_{CE}=-5.0V$ $I_C=-50mA$	60		320	
	$h_{FE(2)}$		$V_{CE}=-5.0V$ $I_C=-400mA$	35			
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$		$I_C=-400mA$ $I_B=-40mA$		-0.25	-0.6	V
Base to Emitter Saturation Voltage	$V_{BE(sat)}$		$I_C=-400mA$ $I_B=-40mA$		-0.9	-1.2	V
Transition Frequency	f_T		$V_{CE}=-10V$ $I_C=-10mA$		120		MHz
Collector Output Capacitance	C_{ob}		$V_{CB}=-10V$ $f=1.0MHz$		9.0		pF

T0-92

Unit: mm





BR:

A984

D:

h_{FE}

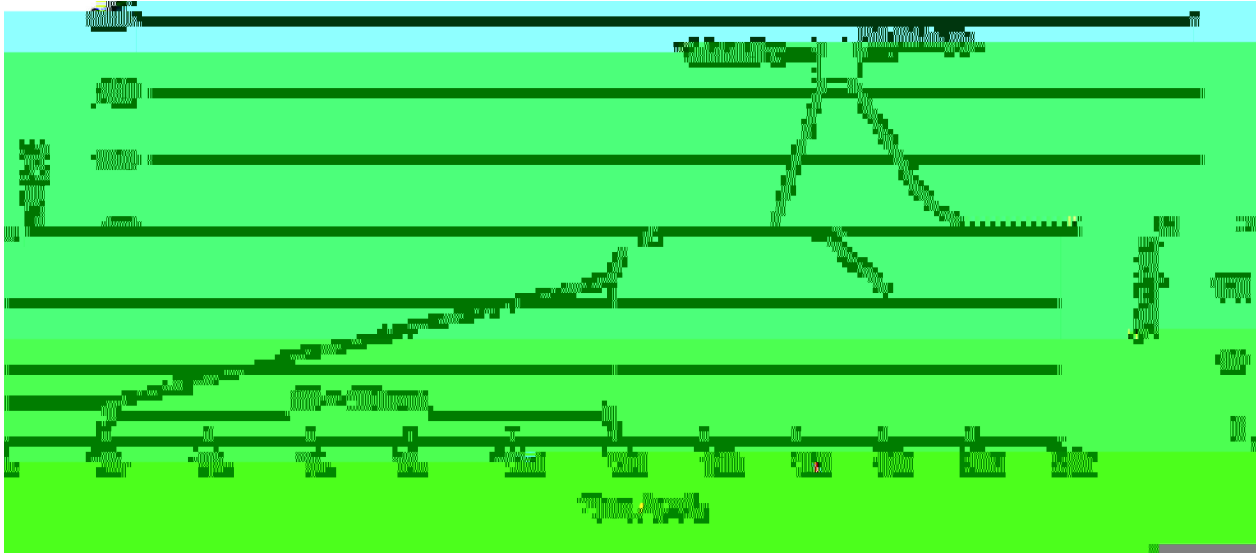
Note:

BR: Company Code.

A984: Product Type.

D: h_{FE} Classifications Symbol

****: Lot No. Code, code change with Lot No.



- 1 25 150 60 90sec;
- 2 255±5 5±0.5sec;
- 3 2 10 /sec.

Note:

- 1.Preheating:25~150 , Time:60~90sec.
- 2.Peak Temp.:255±5 , Duration:5±0.5sec.
- 3. Cooling Speed: 2~10 /sec.

270±5

10±1 sec.

Temp:270±5

Time:10±1 sec

/ BULK

dBWdBq4y-