

/ Descriptions

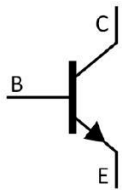
TO-92 NPN Silicon NPN transistor in a TO-92 Plastic Package.

/ Features

Low current, low voltage.

/ Applications

HF applications in radio and television receivers, FM tuners, low noise AM mixer-oscillators.

/ Equivalent Circuit**/ Pinning**

PIN1 Collector PIN 2 Emitter PIN 3 Base

/ hFE Classifications & Marking

See Marking Instructions.

BF494

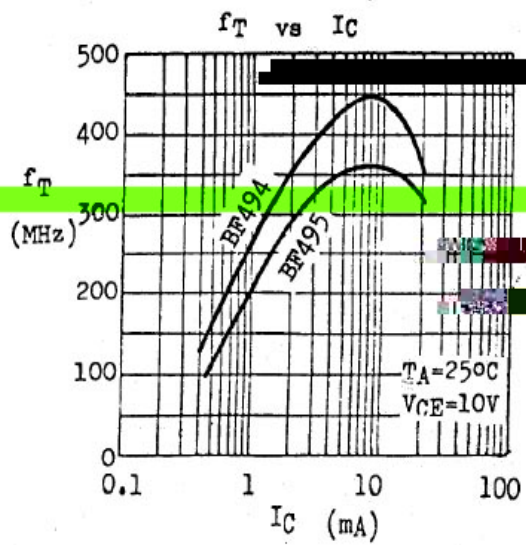
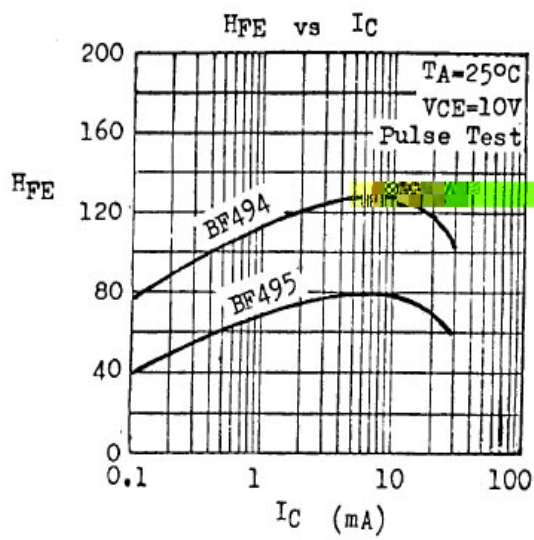
Rev.E Mar.-2016

**DATA SHEET**

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	30	V
Collector to Emitter Voltage	V_{CEO}	20	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	30	mA
Peak Collector Current	I_{CM}	30	mA
Collector Power Dissipation	P_C	300	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector Cut-Off Current	I_{CBO}	$V_{CB}=20V$ $I_E=0$			0.1	A
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=4.0V$ $I_C=0$			0.04	A
DC Current Gain	h					

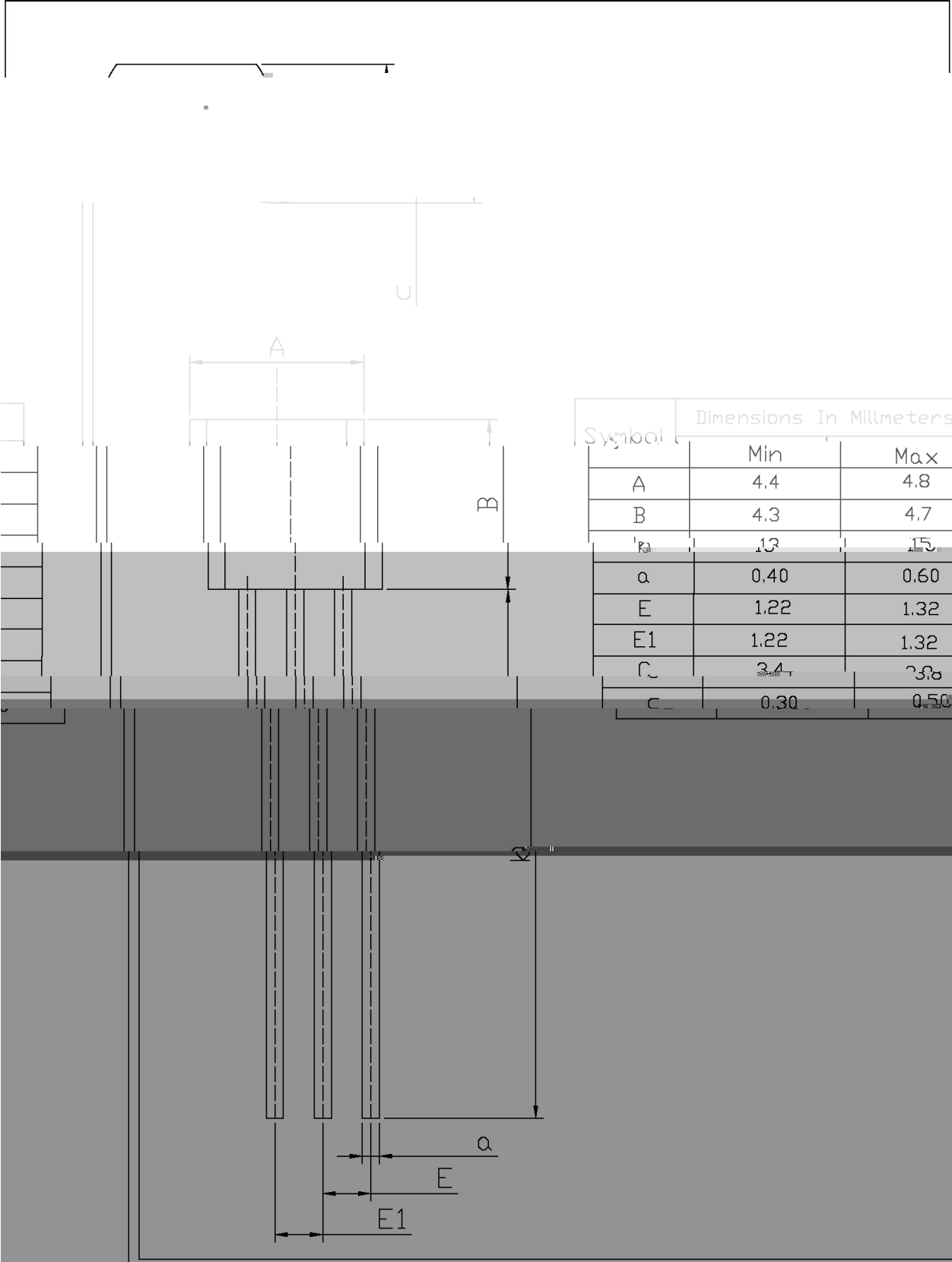
/ Electrical Characteristic Curve



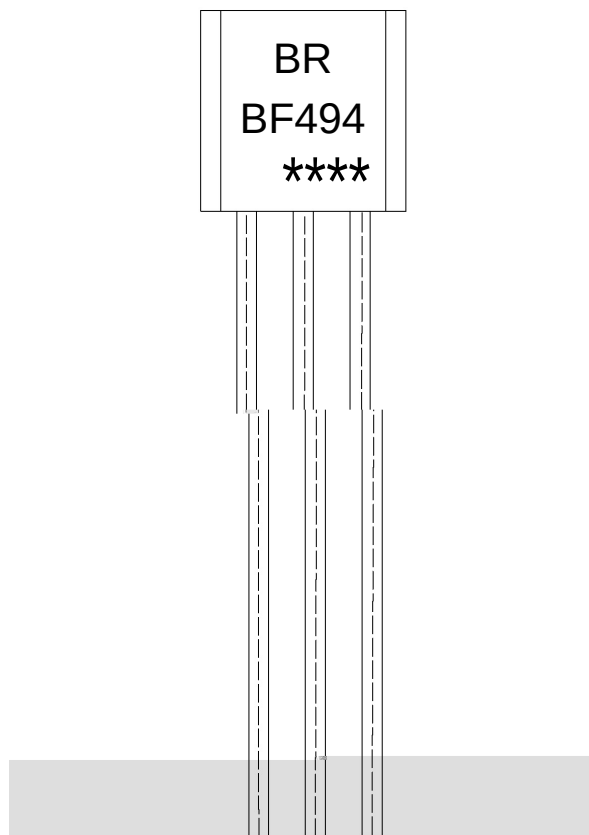
/ Package Dimensions

TO-92

Unit: mm



/ Marking Instructions



BR:

BF494

Note:

BR: Company Code.

BF494: Product Type.

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

