

**STX790A**  
Rev.E Mar.-2016

TO-92          PNP

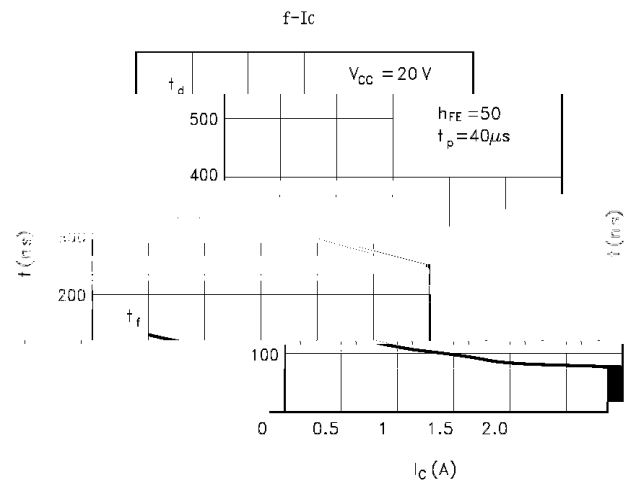
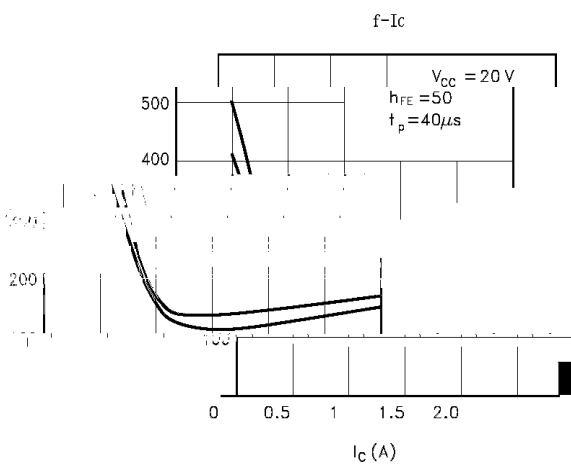
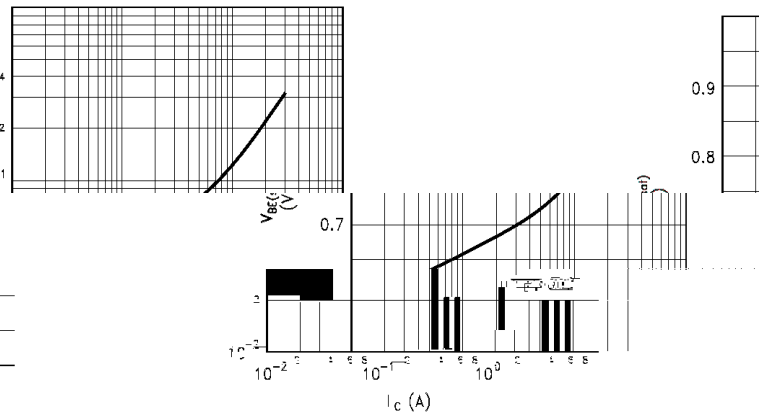
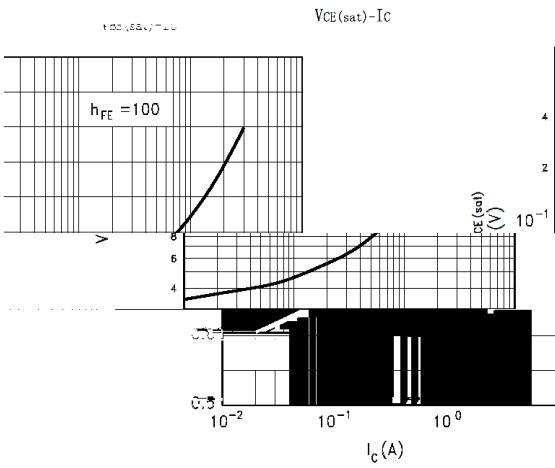
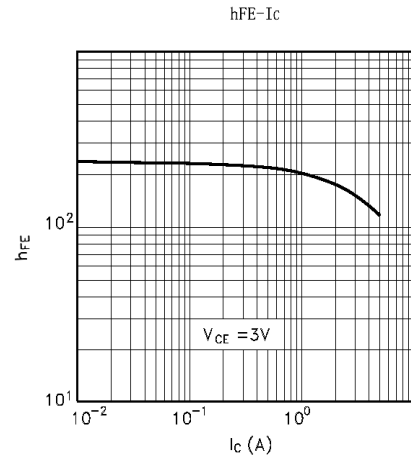
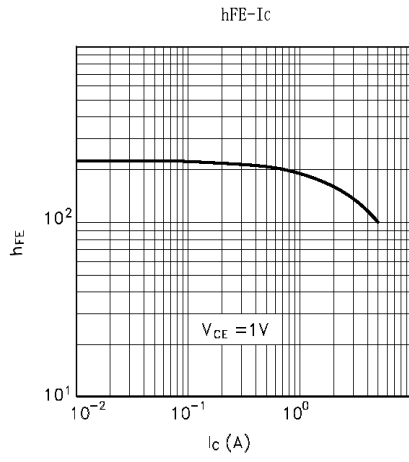
Silicon PNP transistor in a TO-92 Plastic Package.

High  $I_C$  ,low  $V_{CE(sat)}$ .

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	-60	V
Collector to Emitter Voltage	$V_{CEO}$	-60	V
Emitter to Base Voltage	$V_{EBO}$	-5.0	V
Collector Current - Continuous	$I_C$	-3.0	A
Peak Collector Current- Continuous	$I_{CM}$	-6.0	A
Collector Power Dissipation	$P_C$	0.9	W
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	$V_{CBO}$	$I_C=-100\mu A$ $I_E=0$	-60			V
Collector to Emitter Breakdown Voltage*	$*V_{CEO}$	$I_C=-10mA$ $I_B=0$	-60			V
Emitter to Base Breakdown Voltage	$V_{EBO}$	$I_E=-100\mu A$ $I_C=0$	-5.0			V
Collector Cut-Off Current	$I_{CBO}$	$V_{CB}=-30V$ $I_E=0$			-0.1	$\mu A$
Emitter Cut-Off Current	$I_{EBO}$	$V_{EB}=-4.0V$ $I_C=0$			-1.0	$\mu A$
DC Current Gain	$*h_{FE(1)}$	$V_{CE}=-2.0V$ $I_C=-500mA$	100	200	300	
	$*h_{FE(2)}$	$V_{CE}=-2.0V$ $I_C=-10mA$	100	200		

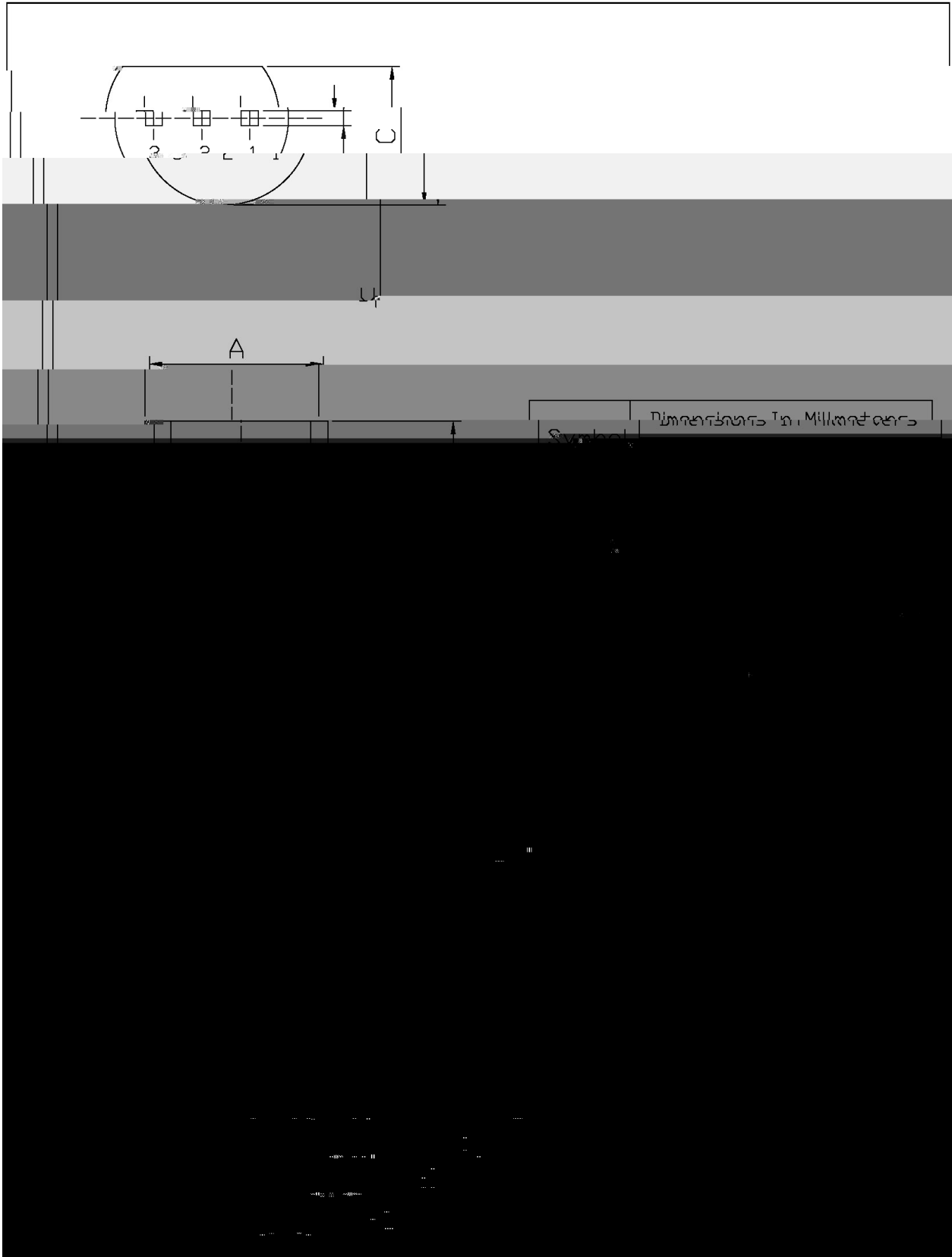
**/ Electrical Characteristic Curve**



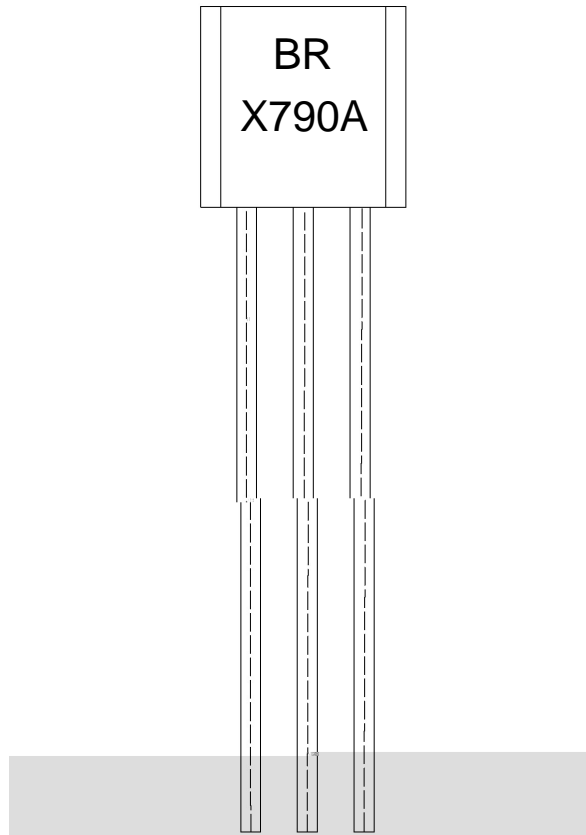
/ Package Dimensions

T0-92

Unit: mm



/ Marking Instructions



BR:

X790A

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Note:

BR: Company Code.

X790A: Product Type.

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

