

STX790A
Rev.E Mar.-2016

TO-92 PNP

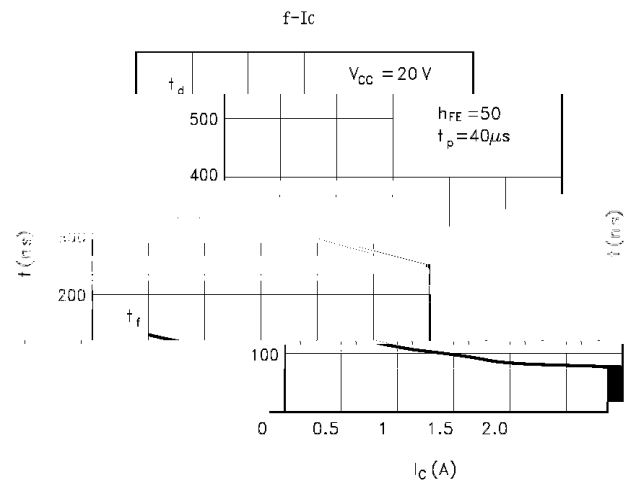
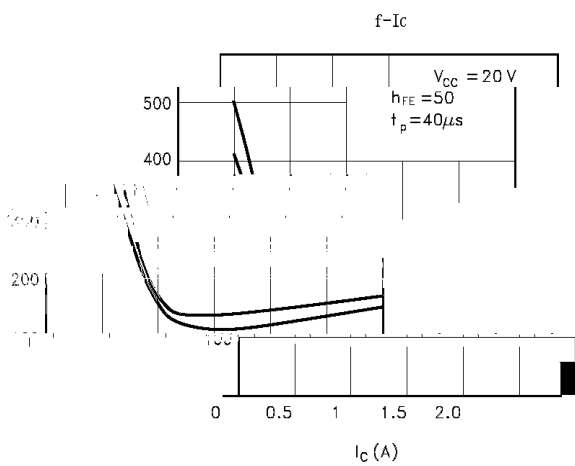
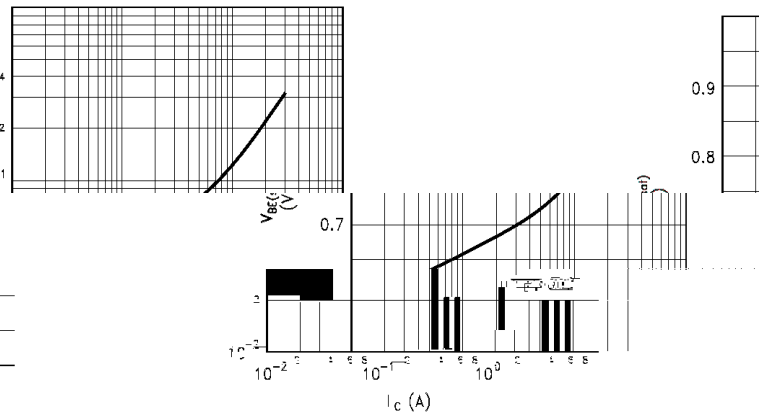
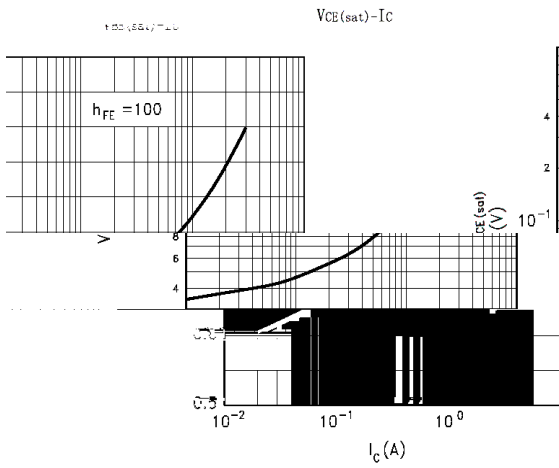
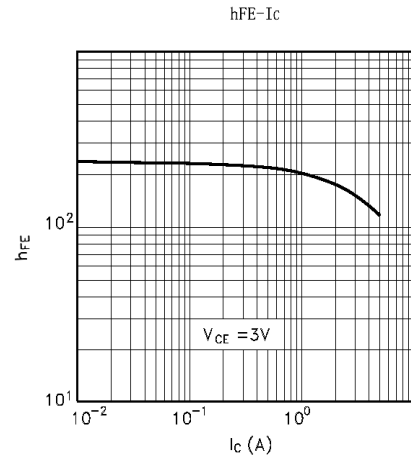
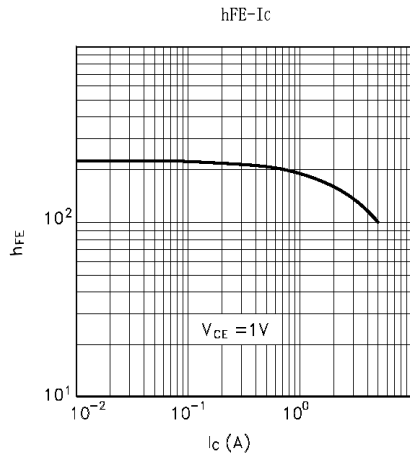
Silicon PNP transistor in a TO-92 Plastic Package.

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	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=-4.0V$ $I_C=0$			-1.0	μA
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		

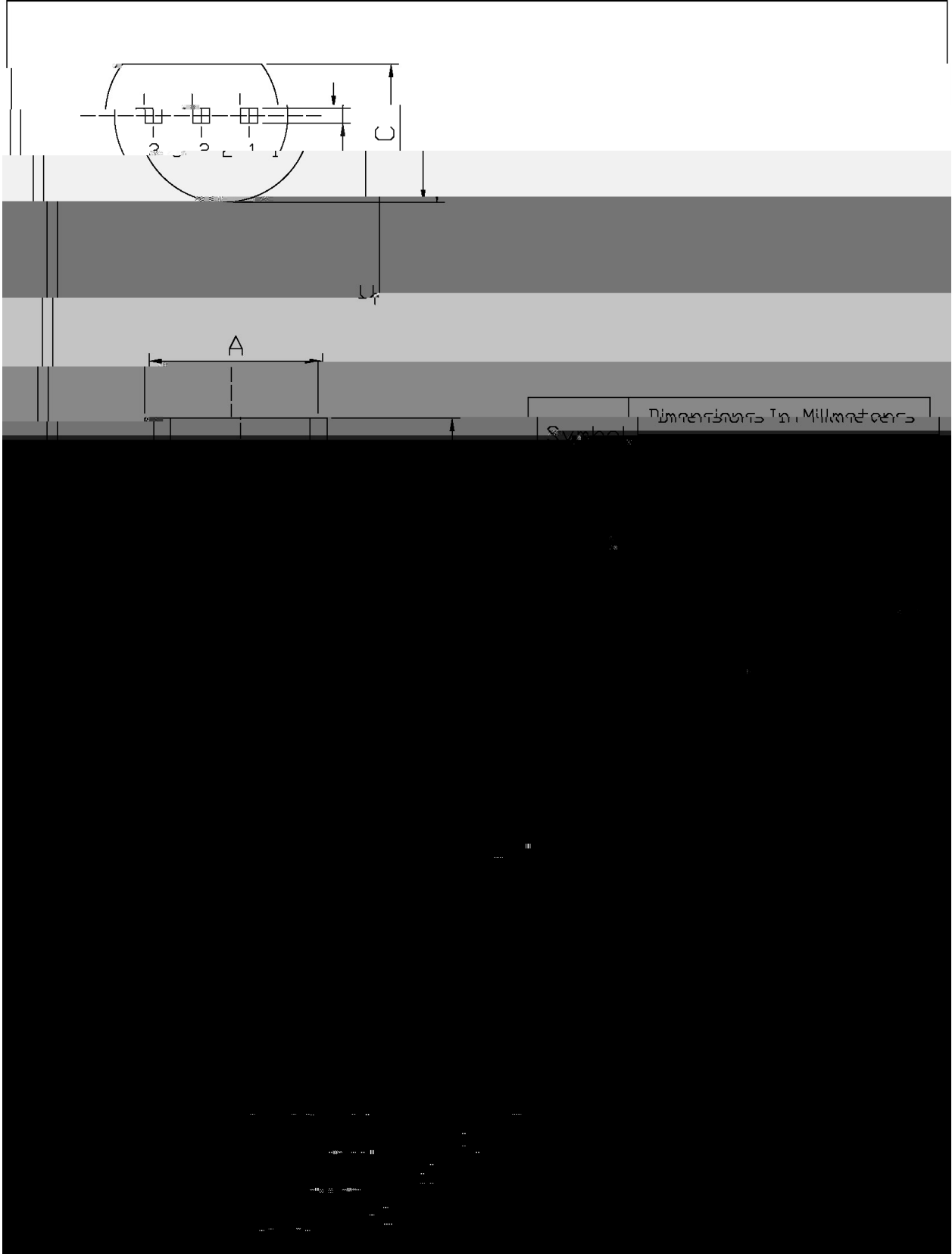
/ Electrical Characteristic Curve



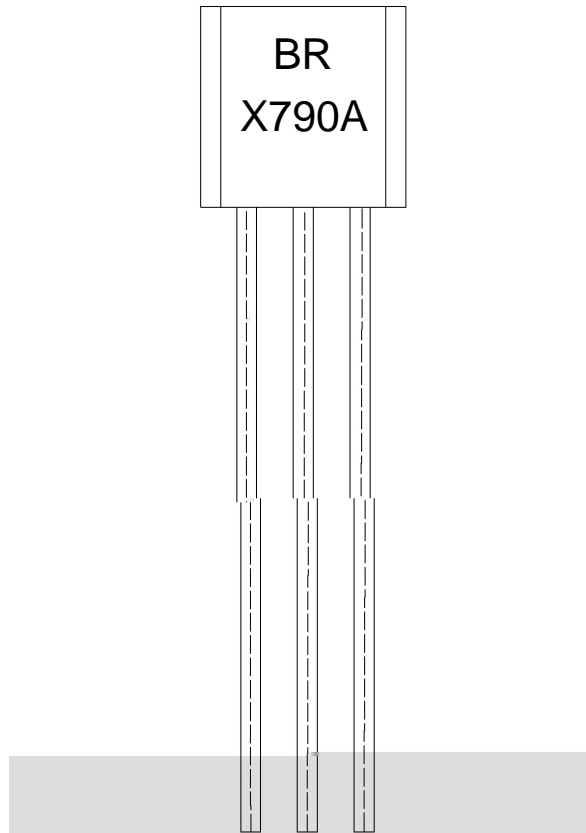
/ Package Dimensions

TO-92

Unit: mm



/ Marking Instructions



BR:

X790A

Note:

BR: Company Code.

X790A: Product Type.

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

