

/ Descriptions

TO-92

NPN

Silicon NPN transistor in a TO-92 Plastic Package.

/ Features

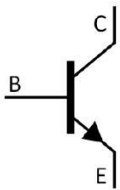
KTA200

Excellent h_{FE} linearity, complementary pair with KTA200.

/ Applications

General amplifier and switching application.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

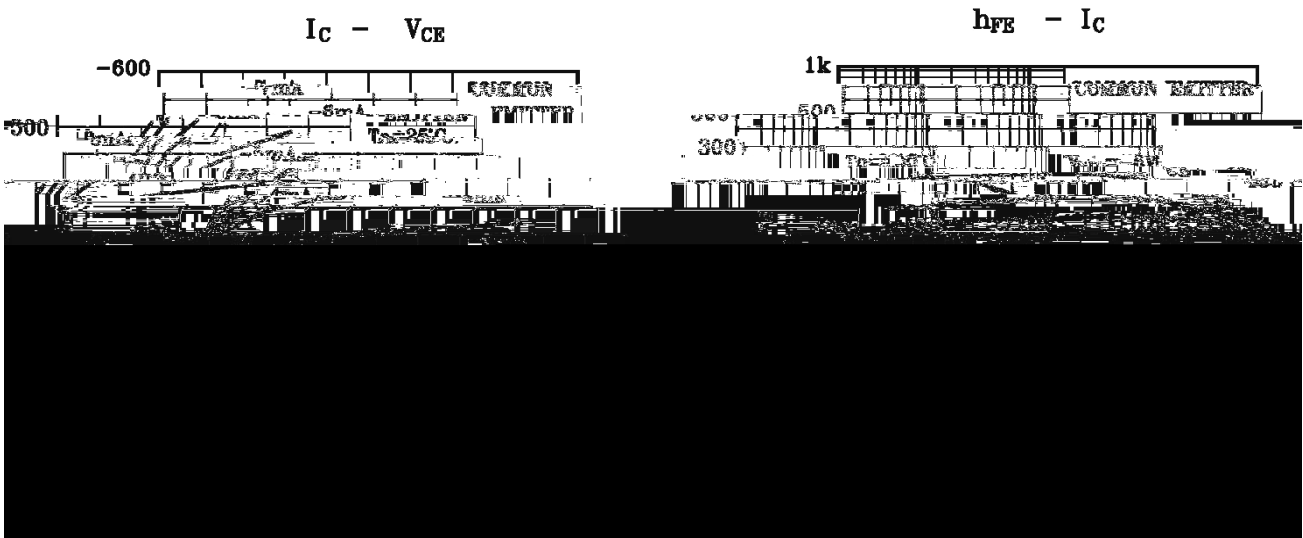
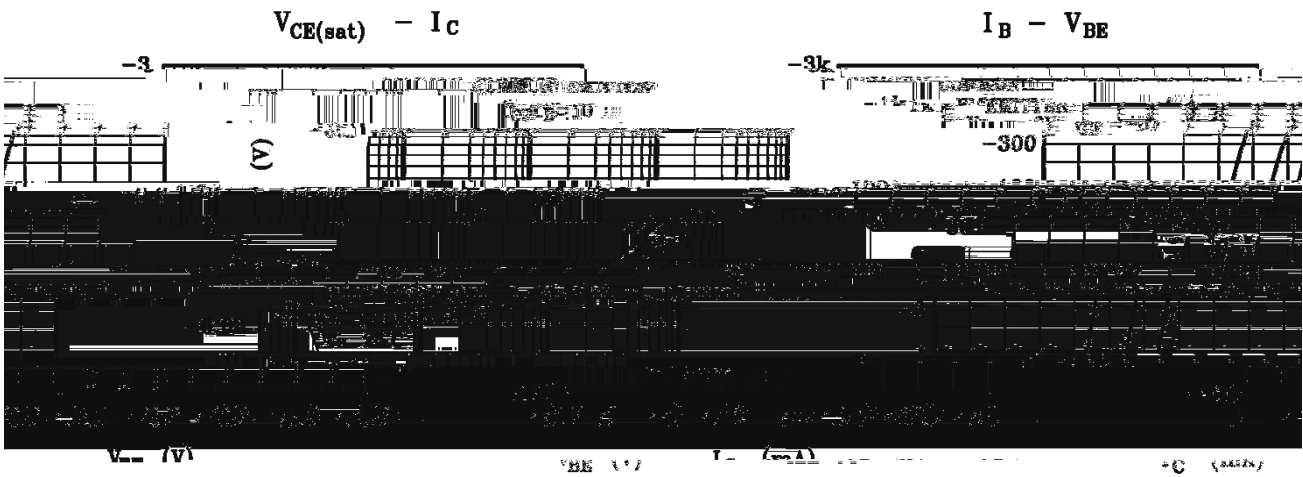
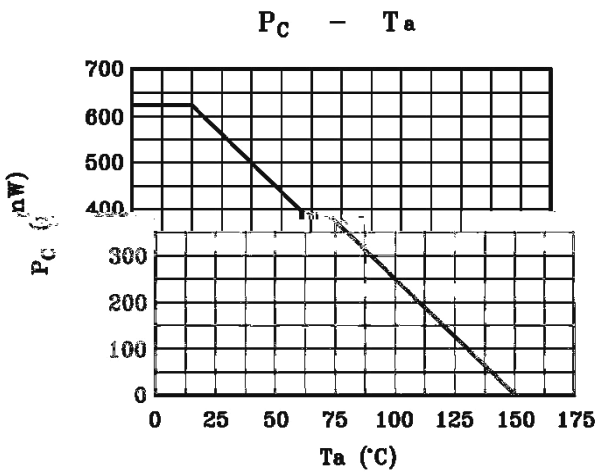
h_{FE} Classifications Symbol	O	Y
h_{FE} Range	70~140	120~240

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	60	V
Collector to Emitter Voltage	V_{CEO}	45	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	500	mA
Emitter Current - Continuous	I_E	-500	mA
Collector Power Dissipation	P_C	625	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}	$V_{CB}=50V$ $I_E=0$			0.1	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=5.0V$ $I_C=0$			0.1	μA
DC Current Gain	$h_{FE(1)}$	$V_{CE}=2.0V$ $I_C=50mA$	70		240	
	$h_{FE(2)}$	$V_{CE}=2.0V$ $I_C=200mA$	25			

Collector to Emitter Saturation

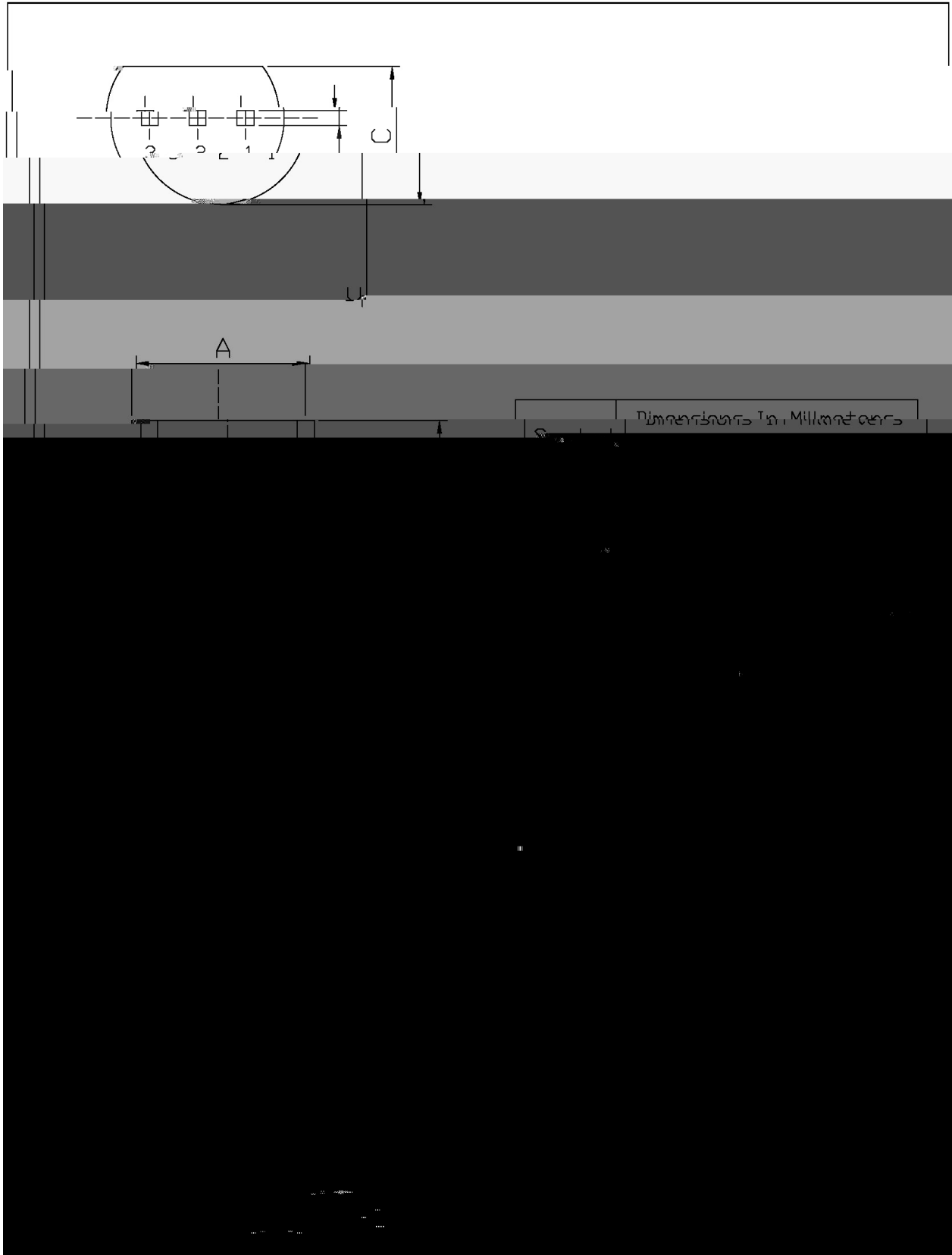
/ Electrical Characteristic Curve



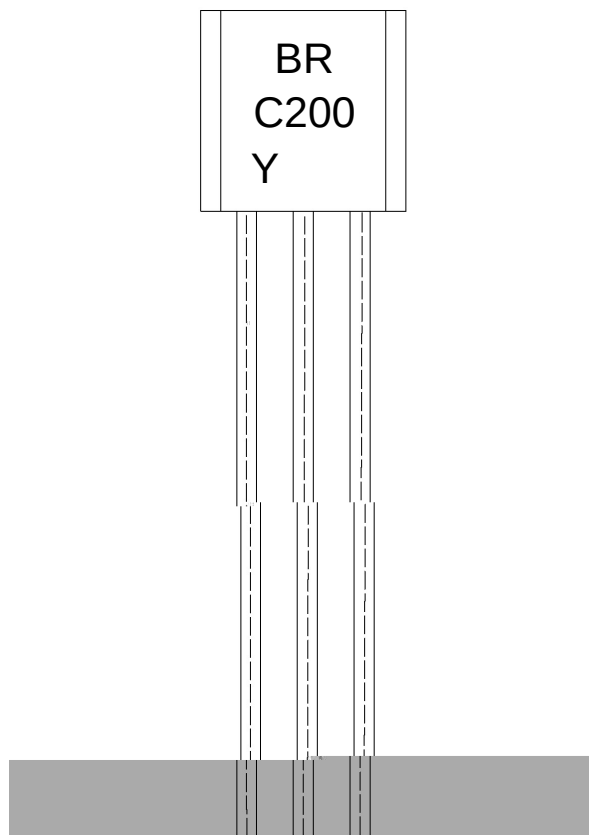
/ Package Dimensions

T0-92

Unit: mm



/ Marking Instructions



BR:

C200

Y:

h_{FE}

Note:

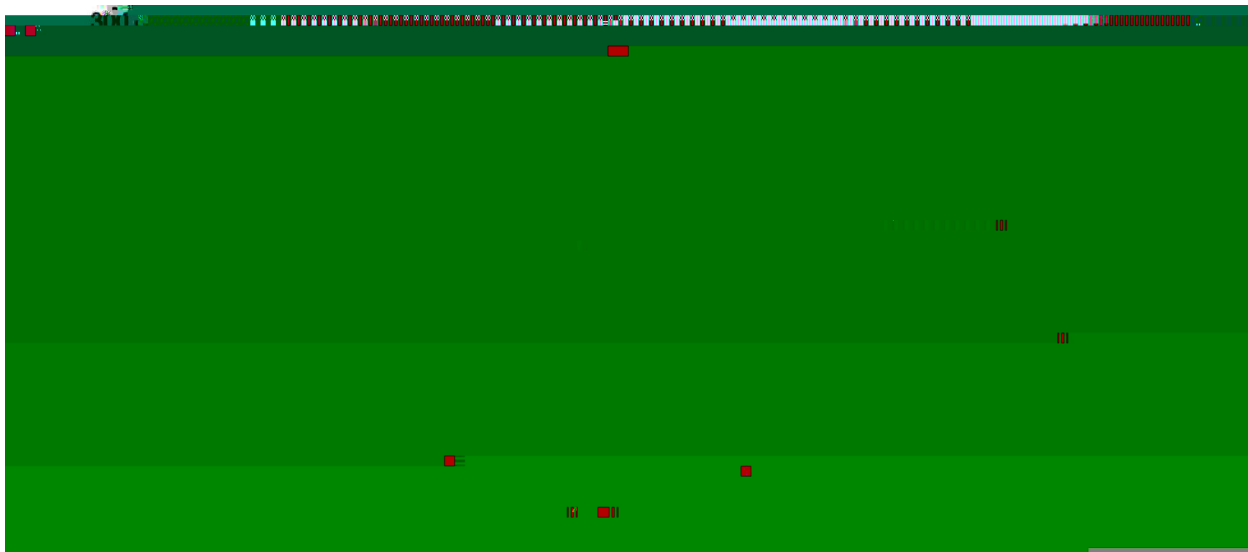
BR: Company Code.

C200: Product Type.

Y: h_{FE} Classifications Symbol

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

() / Temperature Profile for Dip Soldering(Pb-Free)



Note: