

BF423

Rev.E Mar.-2016

/ Descriptions

TO-92

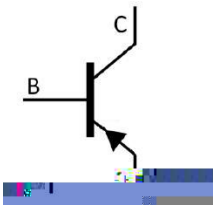
PNP

Silicon PNP transistor in a TO-92 Plastic Package.

BF422

High breakdown voltage, complementary pair with BF422.

High voltage switching and amplifier ,color TV chrome output.



PIN1 Base

PIN 2 Collector

PIN 3 Emitter

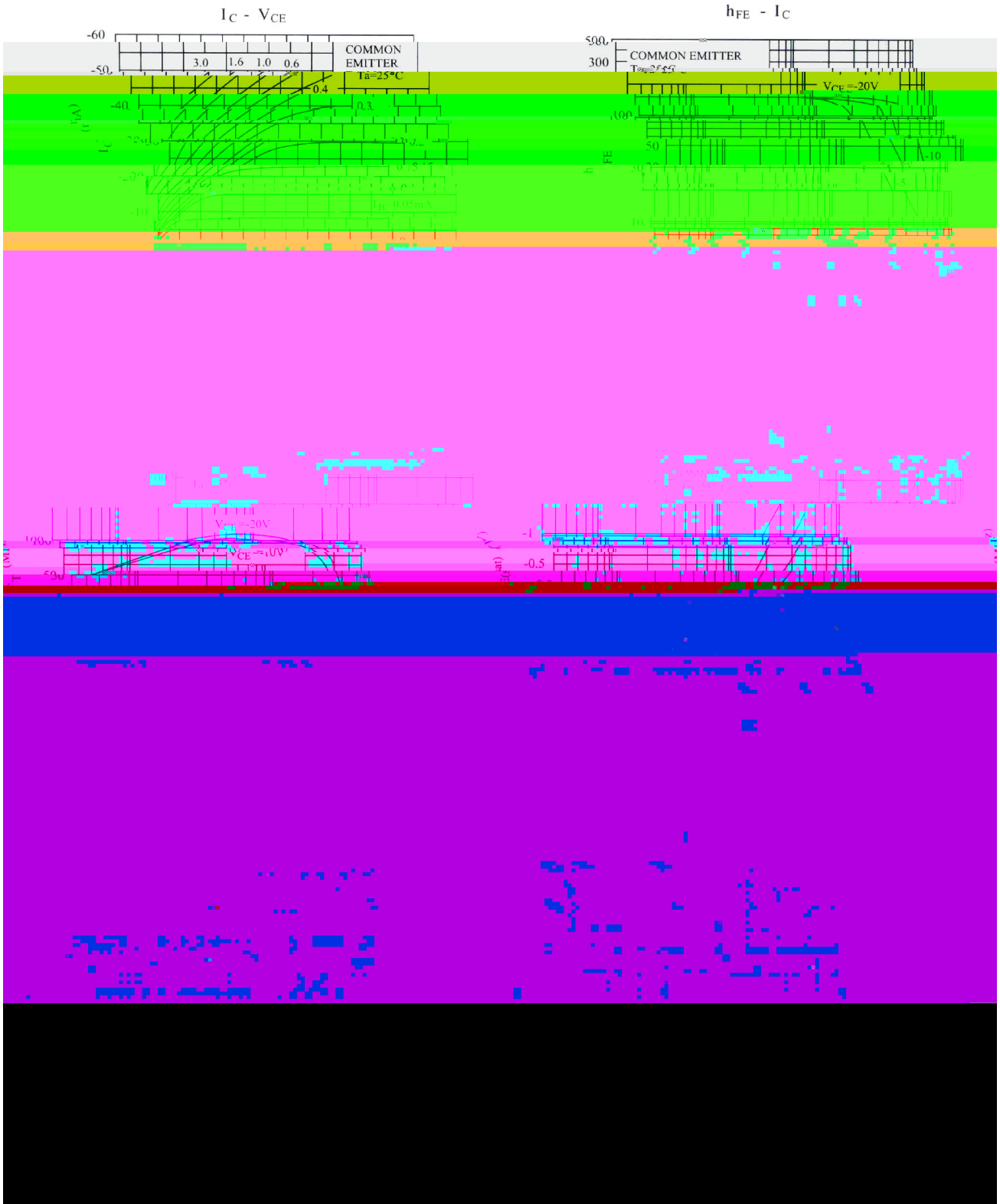
/ hFE Classifications & Marking

See Marking Instructions.

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-250	V
Collector to Emitter Voltage	V_{CEO}	-250	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-50	mA
Peak Collector Current	I_{CM}	-100	mA
Collector Power Dissipation	P_C	830	mW
Base Current - Continuous	I_B	-50	mA
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}	$V_{CB}=-200V$ $I_E=0$			-0.01	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=-5.0V$ $I_C=0$			-0.05	μA
DC Current Gain	h_{FE}	$V_{CE}=-20V$ $I_C=-25mA$	50			
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-30mA$ $I_B=-5.0mA$			-0.6	V
Base -Emitter Voltage	V_{BE}	$V_{CE}=-20V$ $I_C=-25mA$		-0.75		V
Transition Frequency	f_T	$V_{CE}=-10V$ $I_C=-10mA$	60			MHz
Reverse Transfer Capacitance	C_{re}					

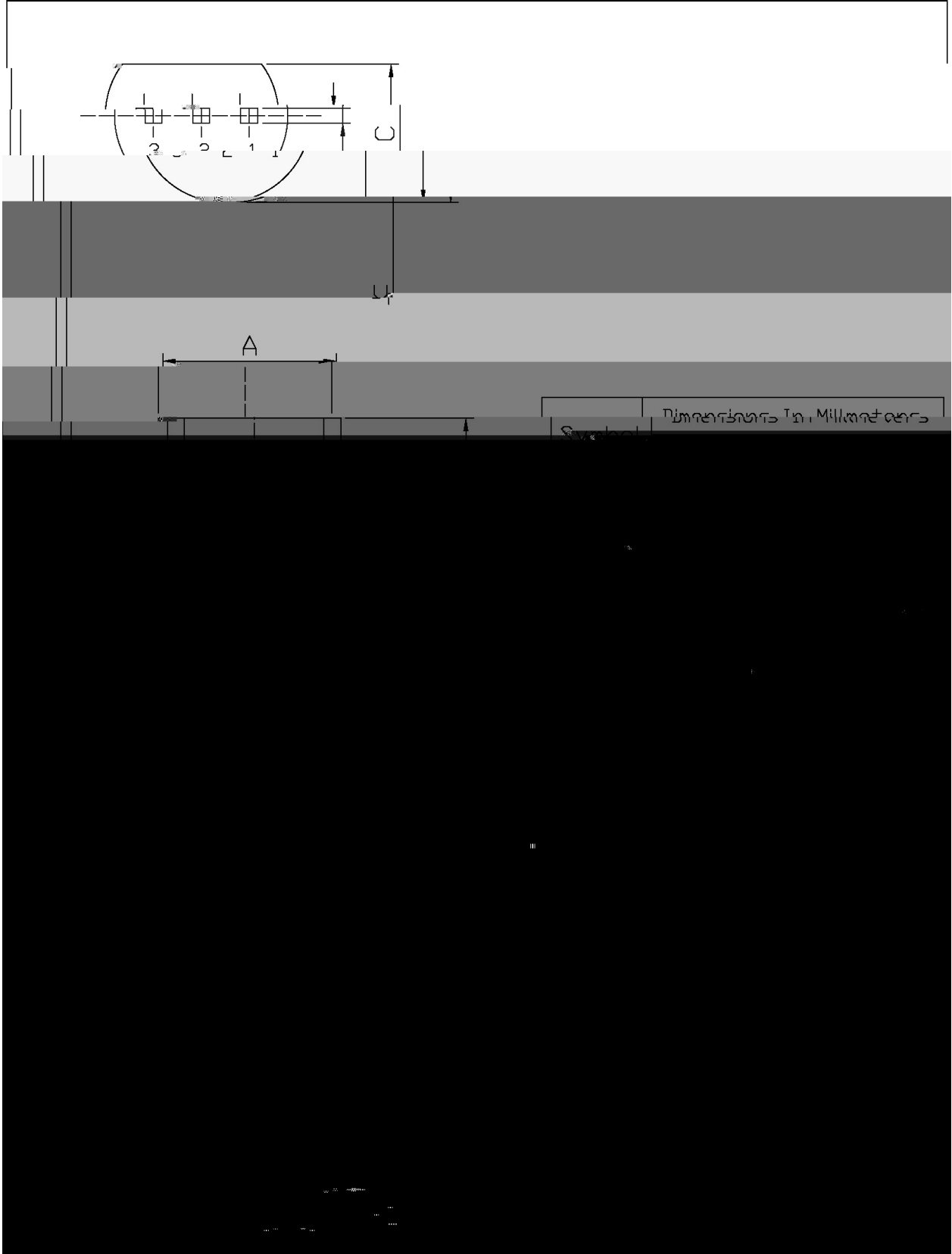
/ Electrical Characteristic Curve



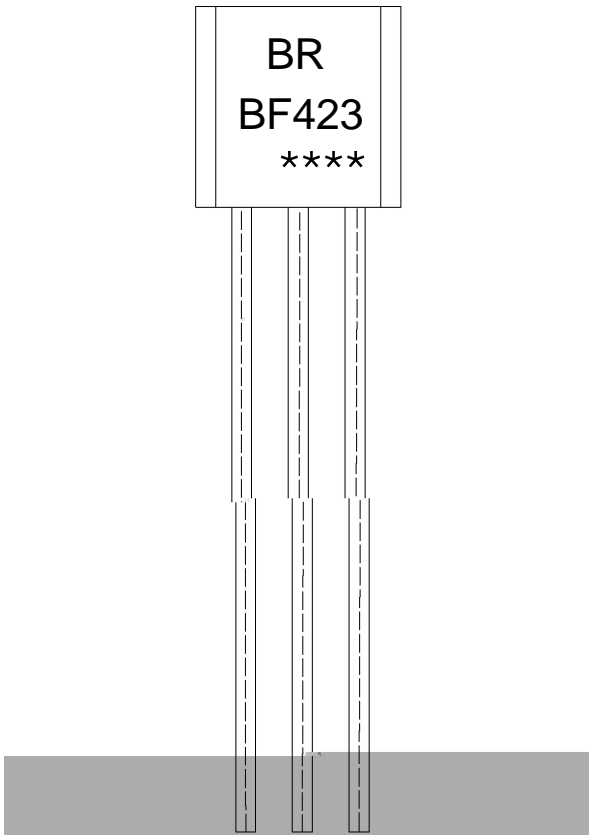
/ Package Dimensions

TO-92

Unit: mm



/ Marking Instructions



BR:

BF423

Note:

BR: Company Code.

BF423: Product Type.

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

BF423

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DATA SHEET