

Descriptions

Silicon PNP transistor in a TO-92LM Plastic Package

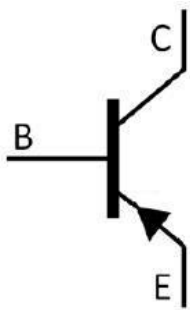
Features

- High voltage
- Large continuous collector current capability
- Complementary pair with 2SC2383

Applications

Color TV vert. and class B sound output applications.

Equivalent Circuit



Pinning



PIN1: Base PIN 2: Collector PIN 3: Emitter

hFE Classifications & Marking

h _{FE} Classifications Symbol	R	O	Y
h _{FE} Range	60~120	100~200	160~320

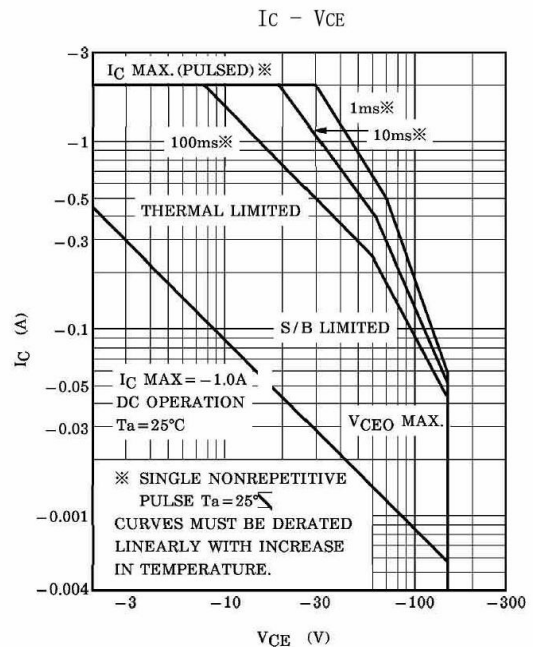
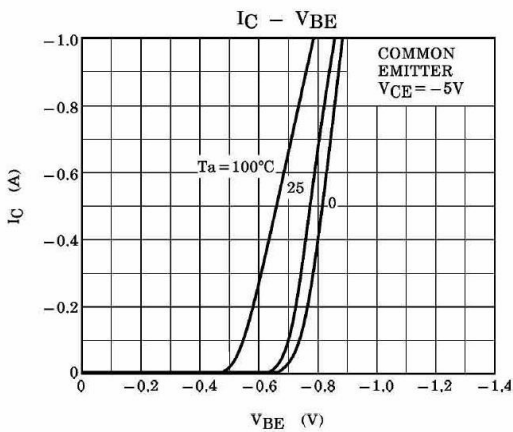
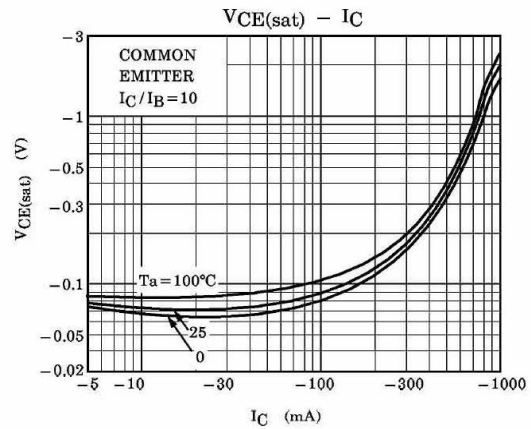
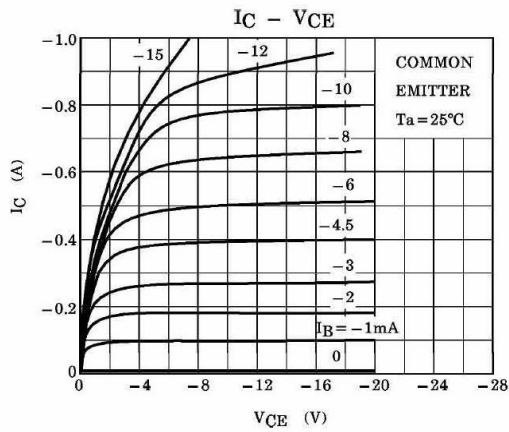
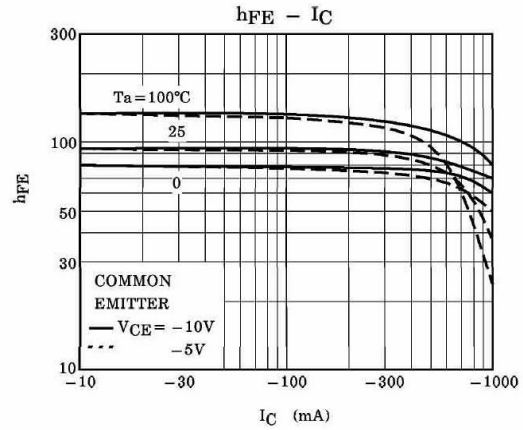
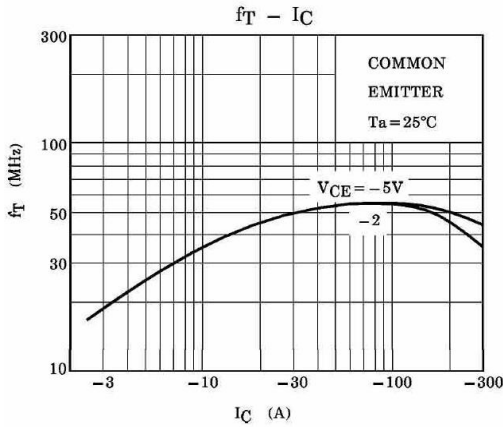
Absolute Maximum Ratings(Ta=25°C)

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CB0}	-160	V
Collector to Emitter Voltage	V_{CEO}	-160	V
Emitter to Base Voltage	V_{EBO}	-6.0	V
Collector Current - Continuous	I_C	-1.0	A
Base Current - Continuous	I_B	-0.5	A
Collector Power Dissipation	P_C	900	mW
Junction Temperature	T_J	150	°C
Storage Temperature Range	T_{stg}	-55~150	°C

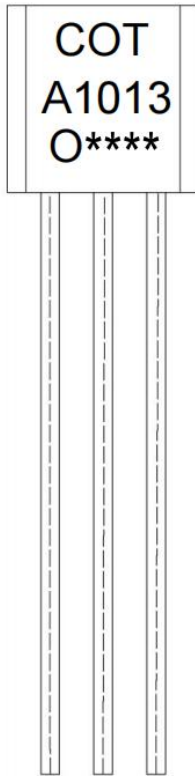
Electrical Characteristics(Ta=25°C)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=-10mA$ $I_B=0$	-160			V
Collector Cut-Off Current	I_{CB0}	$V_{CB}=-150V$ $I_E=0$			-1.0	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=-6.0V$ $I_C=0$			-1.0	μA
DC Current Gain	h_{FE}	$V_{CE}=-5.0V$ $I_C=-200mA$	60		320	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-500mA$ $I_B=-50mA$			-1.5	V
Base to Emitter Voltage	V_{BE}	$V_{CE}=-5.0V$ $I_C=-5.0mA$			-0.75	V
Transition Frequency	f_T	$V_{CE}=-5.0V$ $I_C=-200mA$	15	50		MHz
Collector output capacitance	C_{ob}	$V_{CB}=-10V$ $f=1.0MHz$ $I_E=0$			35	pF

Electrical Characteristic Curve



Marking Instructions



Note:

- COT: Company Code.
- A1013: Product Type.
- O: hFE Classifications Symbol.
- ****: Lot No. Code, code change with Lot No

h _{FE} Classifications Symbol	R	O	Y
h _{FE} Range	60~120	100~200	160~320

Packaging SPEC

BULK

Package Type	Units					Dimension (unit: mm3)		
	Units/Bag	Bags/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Bag	Inner Box	Outer Box
TO-92LM	1,000	8	8,000	5	40,000	135×190	237×172×102	560×245×195

AMMO

Package Type	Units					Dimension (unit: mm3)	
	Units/tape	Tape/Inner Box	Rows/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Inner Box	Outer Box
TO-92LM	2,500	1	100	10	25,000	328×230×42	小箱480×346×235 大箱547×407×268

Package Outline Dimensions

TO-92LM

Unit: mm

