

**/ Descriptions**

Silicon PNP transistor in a TO-92LM Plastic Package.

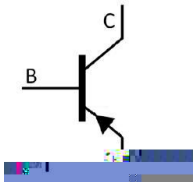
**/ Features**

High transition frequency, small collector output capacitance complementary pair with 2SC2705.

**/ Applications**

Audio frequency amplifier applications.

**/ Equivalent Circuit**



**/ Pinning**



PIN1 Base      PIN 2 Collector      PIN 3 Emitter

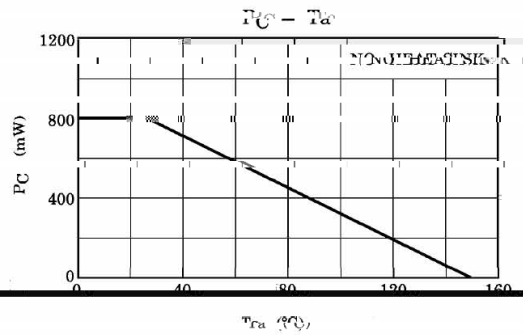
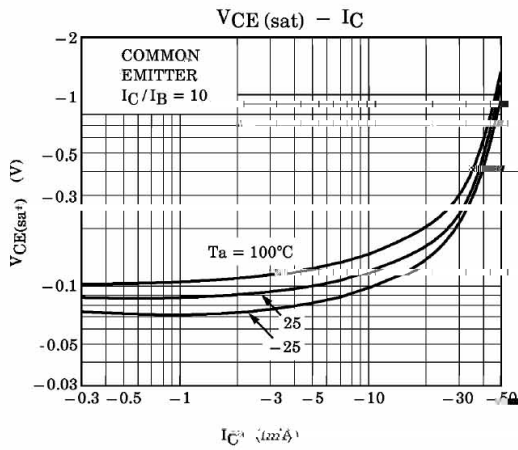
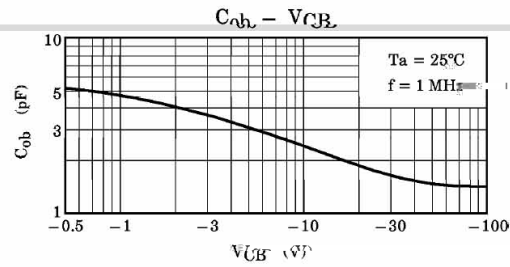
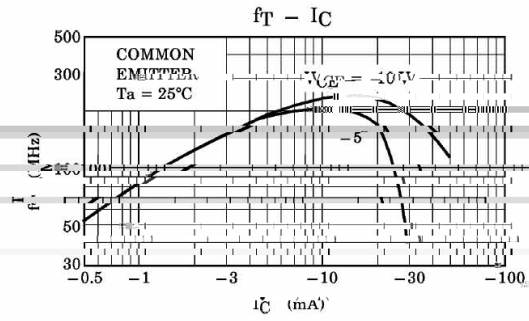
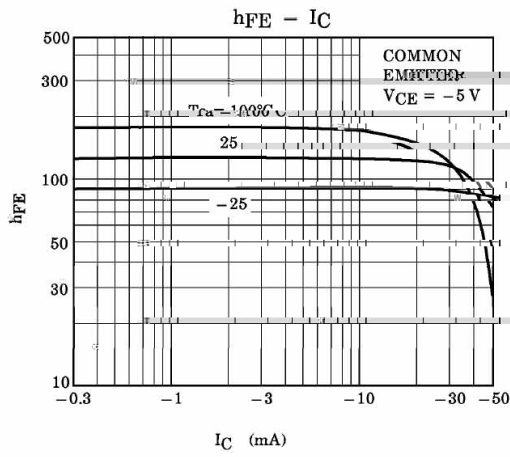
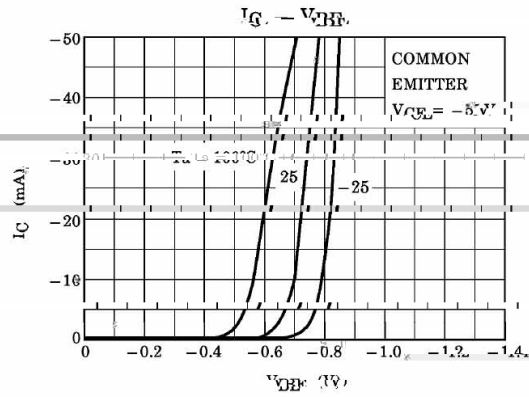
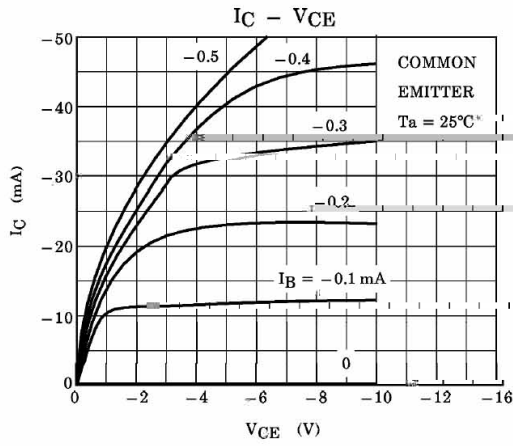
**/  $h_{FE}$  Classifications & Marking**

$h_{FE}$ Classifications Symbol	O	Y
$h_{FE}$ Range	80~160	120~240

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	-150	V
Collector to Emitter Voltage	$V_{CEO}$	-150	V
Emitter to Base Voltage	$V_{EBO}$	-5.0	V
Collector Current - Continuous	$I_C$	-50	mA
Base Current	$I_B$	-5.0	mA
Collector Power Dissipation	$P_C$	800	mW
Junction Temperature	$T_j$	150	
Storage Temperature Range	$T_{stg}$	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	$V_{CEO}$	$I_C=-1.0mA$ $I_B=0$	-150			V
Collector Cut-Off Current	$I_{CBO}$	$V_{CB}=-150V$ $I_E=0$			-0.1	A
Emitter Cut-Off Current	$I_{EBO}$	$V_{EB}=-5.0V$ $I_C=0$			-0.1	A
DC Current Gain	$h_{FE}$	$V_{CE}=-5.0V$ $I_C=-10mA$	80		240	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-10mA$ $I_B=-1.0mA$			-1.0	V
Base to Emitter Voltage	$V_{BE}$	$V_{CE}=-5.0V$ $I_C=-10mA$			-0.8	V
Transition Frequency	$f$	$I_C=-10mA$ $V_{CE}=-5.0V$		200		MHz
Collector output capacitance	$C_{f=1.0MHz}$	$V_{CB}=-10V$ $I_E=0$	2.5	pF		

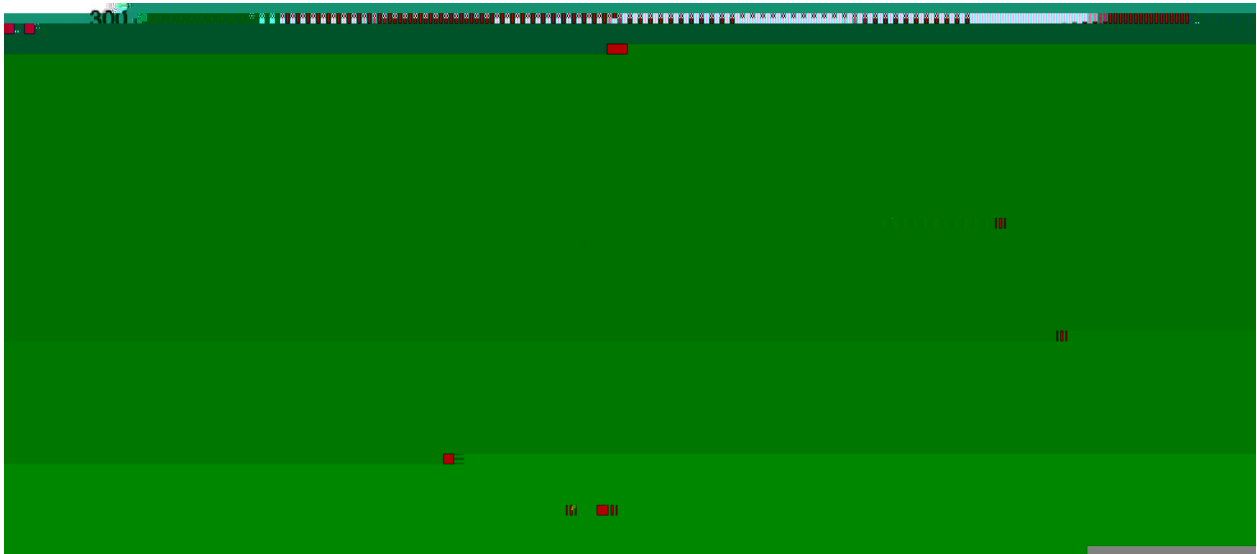
/ Electrical Characteristic Curve







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



Note:

- |   |     |     |    |         |   |
|---|-----|-----|----|---------|---|
| 1 | 25  | 150 | 60 | 90sec;  | 1.Preheating:25~150 , Time:60~90sec.    |
| 2 | 255 | 5   | 5  | 0.5sec; | 2.Peak Temp.:255 5 , Duration:5 0.5sec. |
| 3 |     | 2   | 10 | /sec.   | 3. Cooling Speed: 2~10 /sec.            |

/ Resistance to Soldering Heat Test Conditions

270 5                      10 1 sec.                      Temp.:270 5                      Time:10 1 sec

/ Packaging SPEC.

/ BULK

Package Type	Units	Dimension	(unit mm3)
--------------	-------	-----------	------------