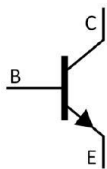


Silicon NPN transistor in a TO-92 Plastic Package.

Medium power amplifier applications.

High DC current gain and excellent h_{FE} linearity, low saturation voltage.

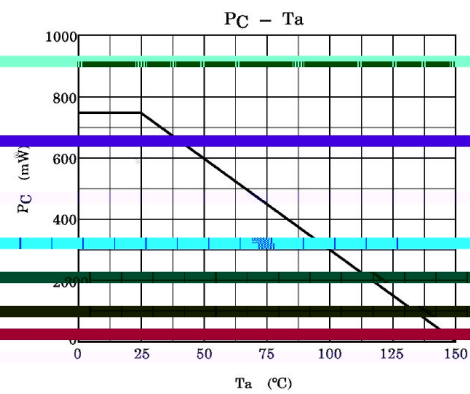
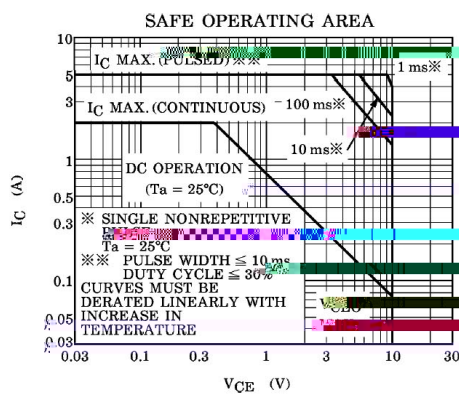
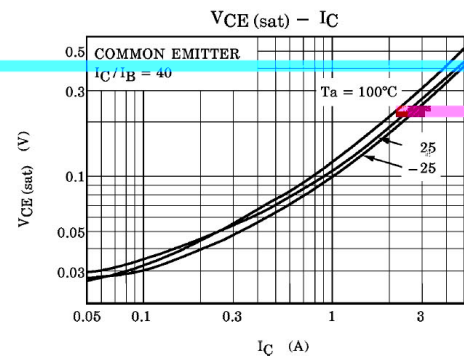
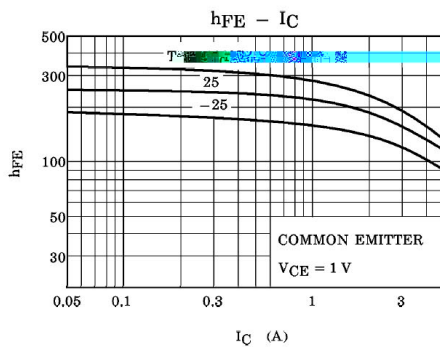
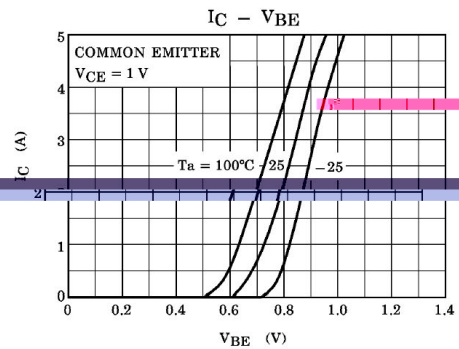
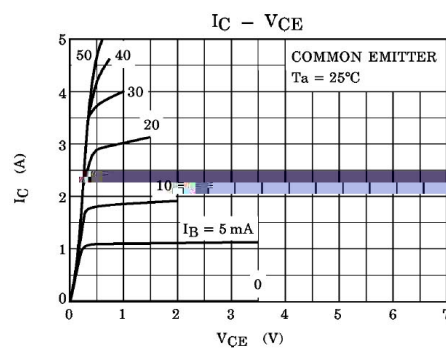


PIN1 Base PIN 2 Collector PIN 3 Emitter

h_{FE} Classifications Symbol	L	M	N	P
h_{FE} Range	140~240	200~330	300~450	420~600

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	30	V
Collector to Emitter Voltage	V_{CEO}	10	V
Emitter to Base Voltage	V_{EBO}	6.0	V
Collector Current - Continuous	I_C	2.0	A
Collector Current – Continuous(Pulse)	I_{CP}	5.0	A
Base Current - Continuous	I_B	0.2	A
Collector Power Dissipation	P_C	750	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-55 150	°C

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=10mA$ $I_B=0$	10			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E=1.0mA$ $I_C=0$	6.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=30V$ $I_E=0$			0.1	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=6.0V$ $I_C=0$			0.1	μA
DC Current Gain	$h_{FE(1)}$	$V_{CE}=1.0V$ $I_C=0.5A$	140		600	
	$h_{FE(2)}$	$V_{CE}=1.0V$ $I_C=2.0A$	70	200		
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=2.0A$ $I_B=50mA$		0.2	0.5	V
Base-Emitter Voltage	V_{BE}	$V_{CE}=1.0V$ $I_C=2.0A$		0.86	1.5	V
Transition Frequency	f_T	$V_{CE}=1.0V$ $I_C=0.5A$		150		MHz
Output Capacitance	C_{ob}	$V_{CB}=10V$ $f=1.0MHz$ $I_E=0$		27		pF







Note:

BR: Company Code.

C3279: Product Type.

L: h_{FE} Classifications Symbol.

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



Note:

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

270 ± 5

10 ± 1 sec.

Temp: 270±5℃

Time: 10±1 sec

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)		
	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Bag 袋	Inner Box 盒	Outer Box 箱
TO-92	1,000	10	10,000	5	50,000	135×190	237×172×102	560×245×195
	1,000	10	10,000	10	100,000	135×190	237×172×102	560×245×375

/ AMMO

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)	
	Units/tape 只/纸带	Tape/Inner Box 纸带/盒	Rows/Inner Box 纸带层/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Inner Box 盒	Outer Box 箱
TO-92	3,000	1	120	10	30,000	328×230×42	小箱 480×346×235, 大箱 547×407×268