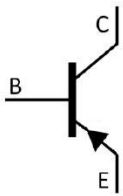


Silicon PNP transistor in a TO-92 Plastic Package.

Complementary pair with KSC945.

Low frequency amplifier applications.

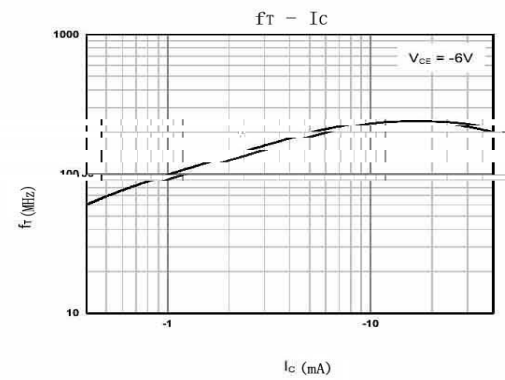
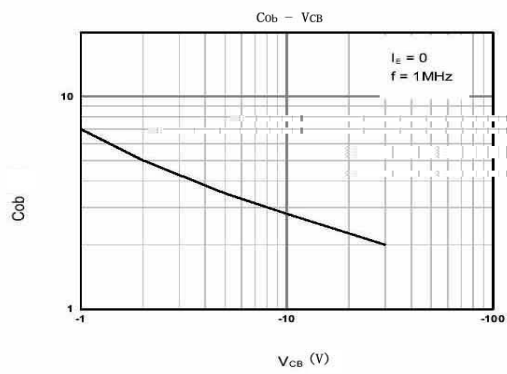
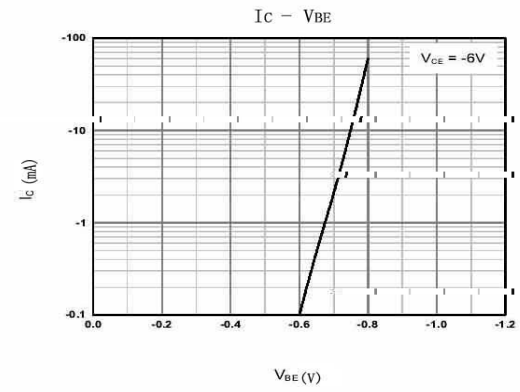
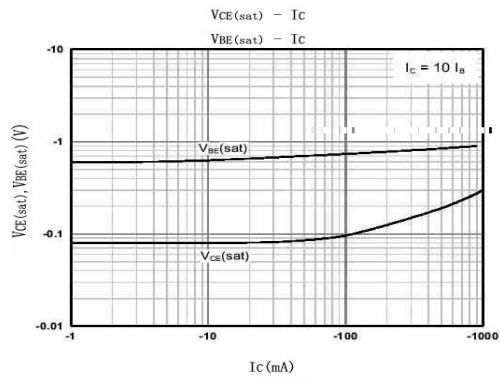
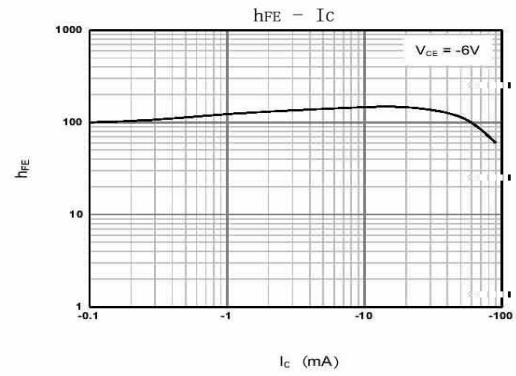
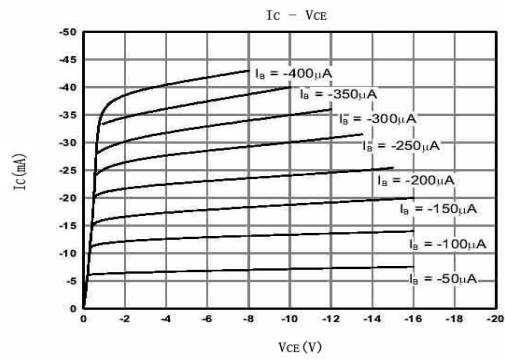


PIN1 Collector PIN 2 Base PIN 3 Emitter

h_{FE} Classifications Symbol	R	O	Y	G	L
h_{FE} Range	40~80	70~140	120~140	200~400	350~700

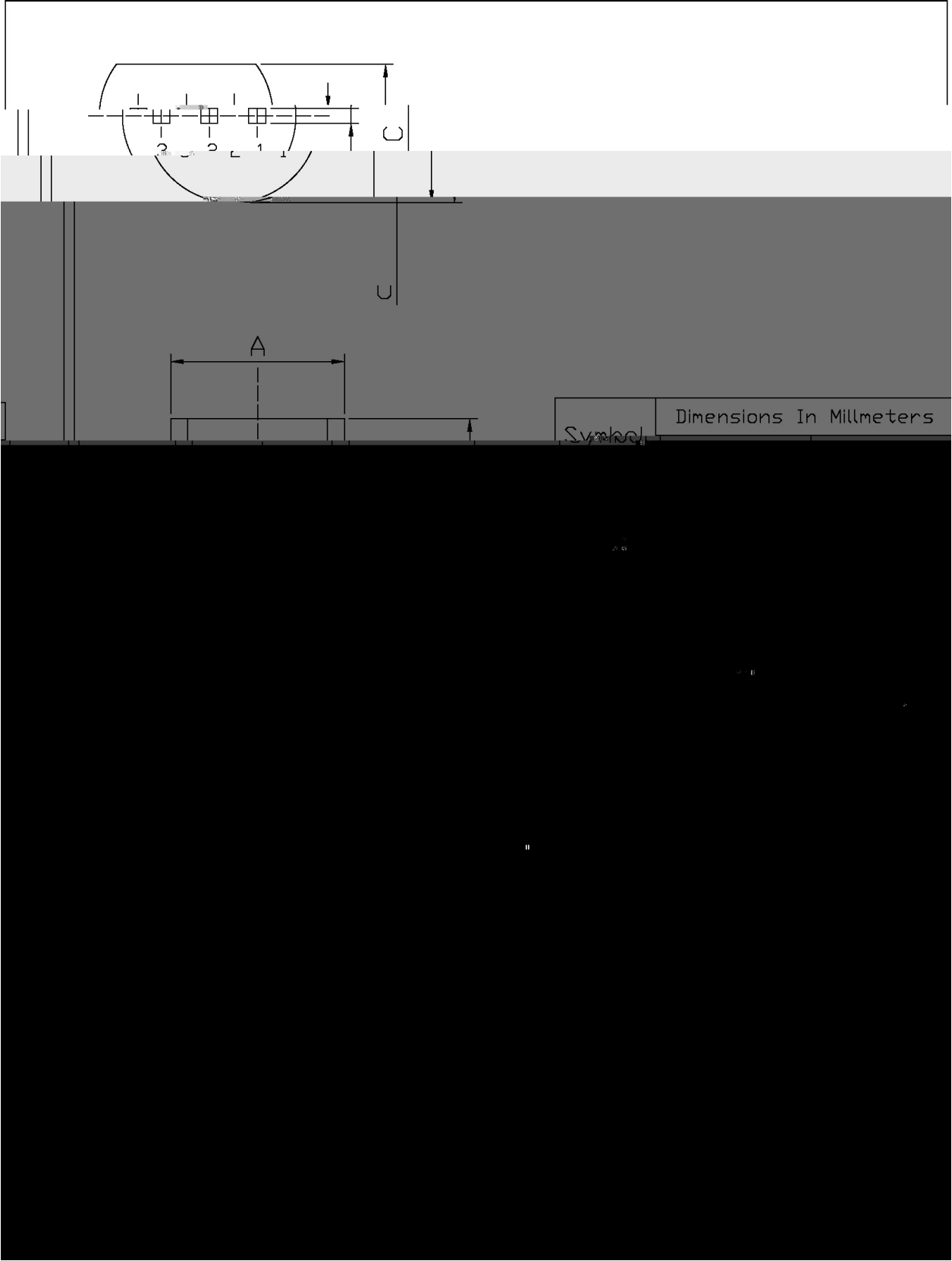
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-60	V
Collector to Emitter Voltage	V_{CEO}	-50	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-150	mA
Collector Power Dissipation	P_C	250	mW
Junction Temperature	T_J	150	
Storage Temperature Range	T_{stg}	-55 150	

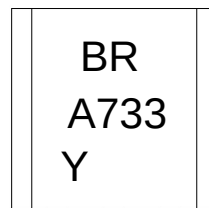
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C = -100\mu A$ $I_E = 0$	-60			V
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C = -10mA$ $I_B = 0$	-50			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E = -10\mu A$ $I_C = 0$	-5.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB} = -60V$ $I_E = 0$			-0.1	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB} = -5.0V$ $I_C = 0$			-0.1	μA
DC Current Gain	h_{FE}	$V_{CE} = -6.0V$ $I_C = -1.0mA$	40		700	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -100mA$ $I_B = -10mA$		-0.18	-0.3	V
Base -Emitter Saturation Voltage	$V_{BE(sat)}$	$V_{CE} = -6.0V$ $I_C = -1.0mA$	-0.5	-0.62	-0.8	V
Transition Frequency	f_T	$V_{CE} = -6.0V$ $I_C = -10mA$	50	180		MHz
Collector Output Capacitance	C_{ob}	$V_{CB} = -10V$ $I_E = 0$ $f = 1.0MHz$		2.8		pF
Noise Figure	NF	$V_{CB} = -6.0V$ $I_C = -0.3mA$ $f = 100Hz$ $R_S = 10K\Omega$		6.0	20	dB



T0-92

Unit: mm





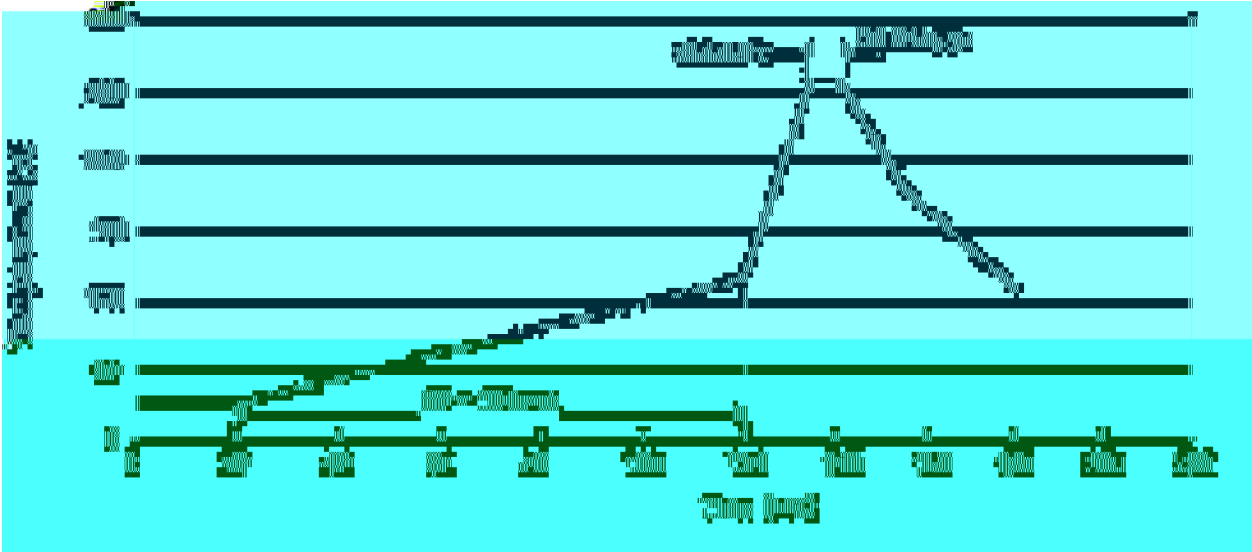
Note:

BR: Company Code.

A733: Product Type.

Y: h_{FE} Classifications Symbol

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



Note:

1.Preheating:25~150 °C , Time:60~90sec.

2.Peak Temp.:255 °C , Duration:5 ~0.5sec.

3. Cooling Speed: 2~10 °C/sec.

- 1

25 150

60 90sec;
- 2

255 5

5 0.5sec;
- 3

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)		
	只 袋	袋 盒	只 盒	盒 箱	只 箱	袋	盒	箱

/ AMMO

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)	
	只 纸带	纸带 盒	纸带层 盒	盒 箱	只 箱	盒	箱
							小箱 , 大箱