

/ Descriptions

WR0<5 M M E SQS æ M ç s ll 1 Silicon PNP transistor in a TO-92 Plastic Package.

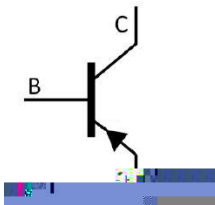
/ Features

лЪ NVF<78 Ы ´
Complementary pair with KSC945.

/ Applications

т.т.т. H j ѿ z
Low frequency amplifier applications.

/ Equivalent Circuit



/ Pinning



PIN1 χ Collector PIN 2 χ Base PIN 3 χ Emitter

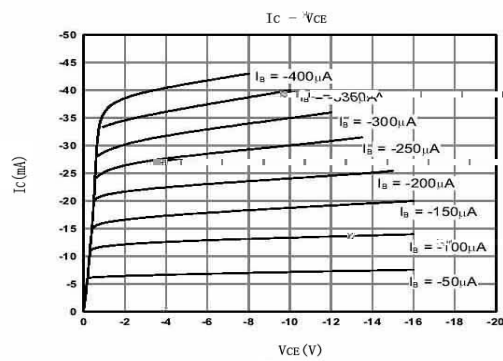
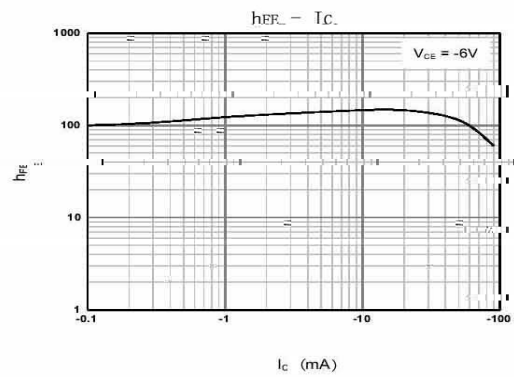
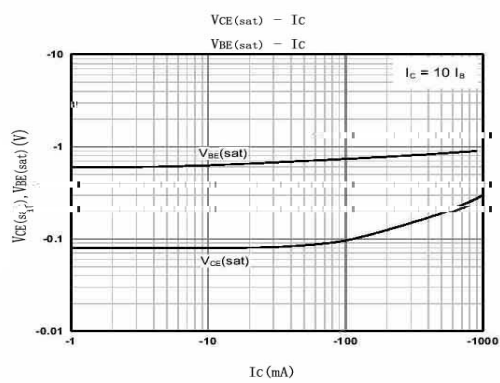
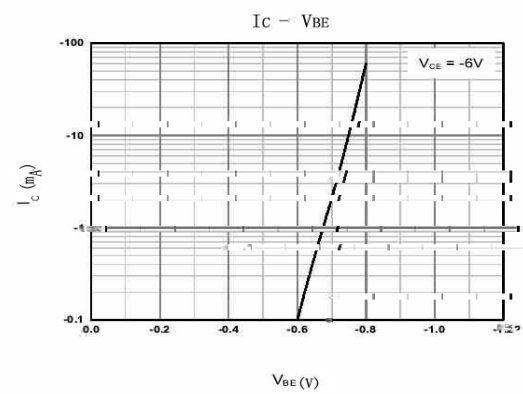
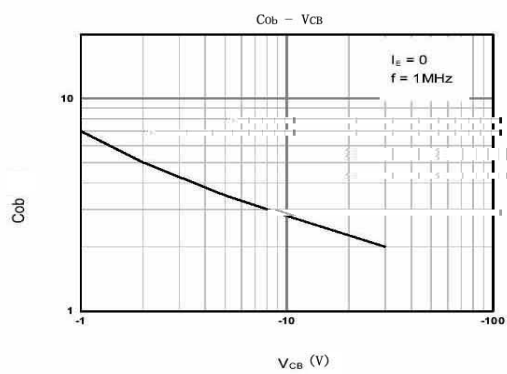
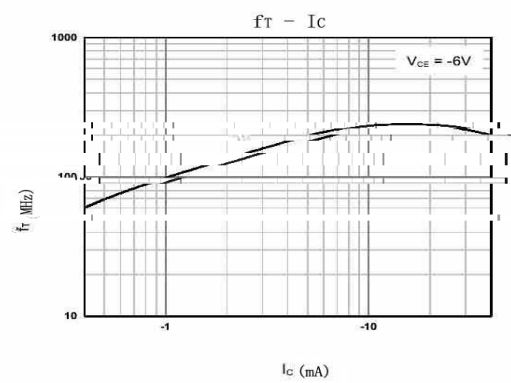
/ hFE Classifications & Marking

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	Unit
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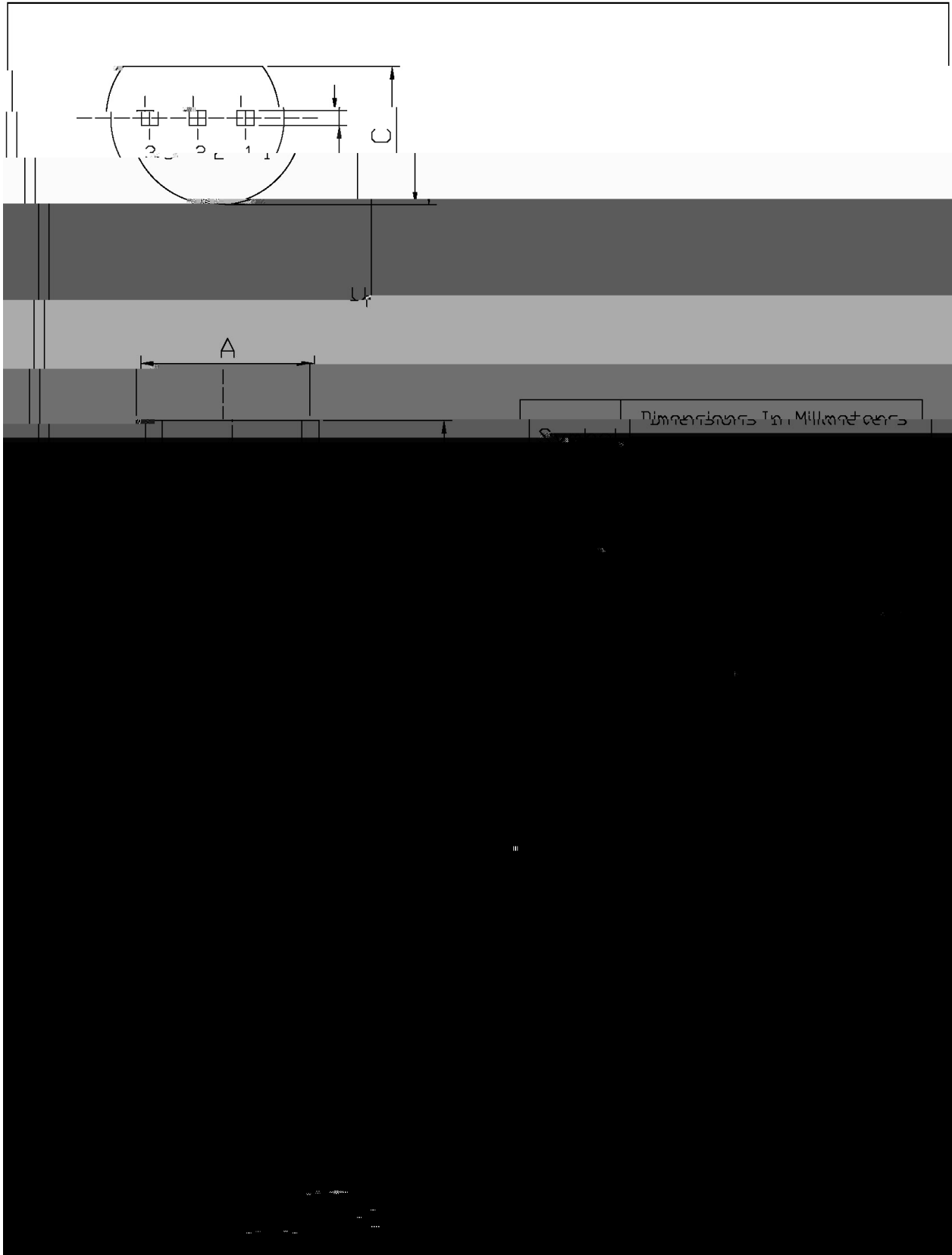
/ Electrical Characteristic Curve



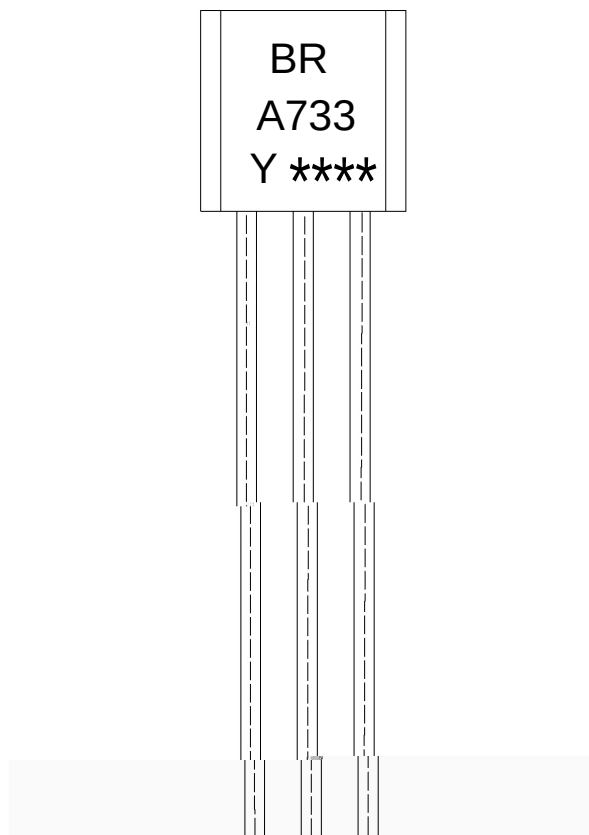
/ Package Dimensions

T0-92

Unit: mm



/ Marking Instructions



Lot No. Code,code change with Lot No.

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



б " X

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

Note:

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

/ Resistance to Soldering Heat Test Conditions

□ °C 270 ± 5 °C 10 ± 1 sec. Temp: 270 ± 5 Time: 10 ± 1 sec

/ Packaging SPEC.

°C 7 °C / 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-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

°C 7 °C / 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-92	3,000	1	120	10	30,000	328×230×42	480×346×235 547×407×268

/ Notices