

/ Descriptions

TO-92 NPN Silicon NPN transistor in a TO-92 Plastic Package.

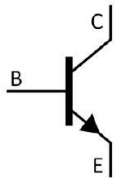
/ Features

High breakdown voltage, high current, low saturation voltage.

/ Applications

Low frequency power amplifier applications.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

/ hFE Classifications & Marking

h _{FE} Classifications Symbol	D	E	F
h _{FE} Range	60~120	100~200	160~320

2SC2274(K)

Rev.E Mar.-2016

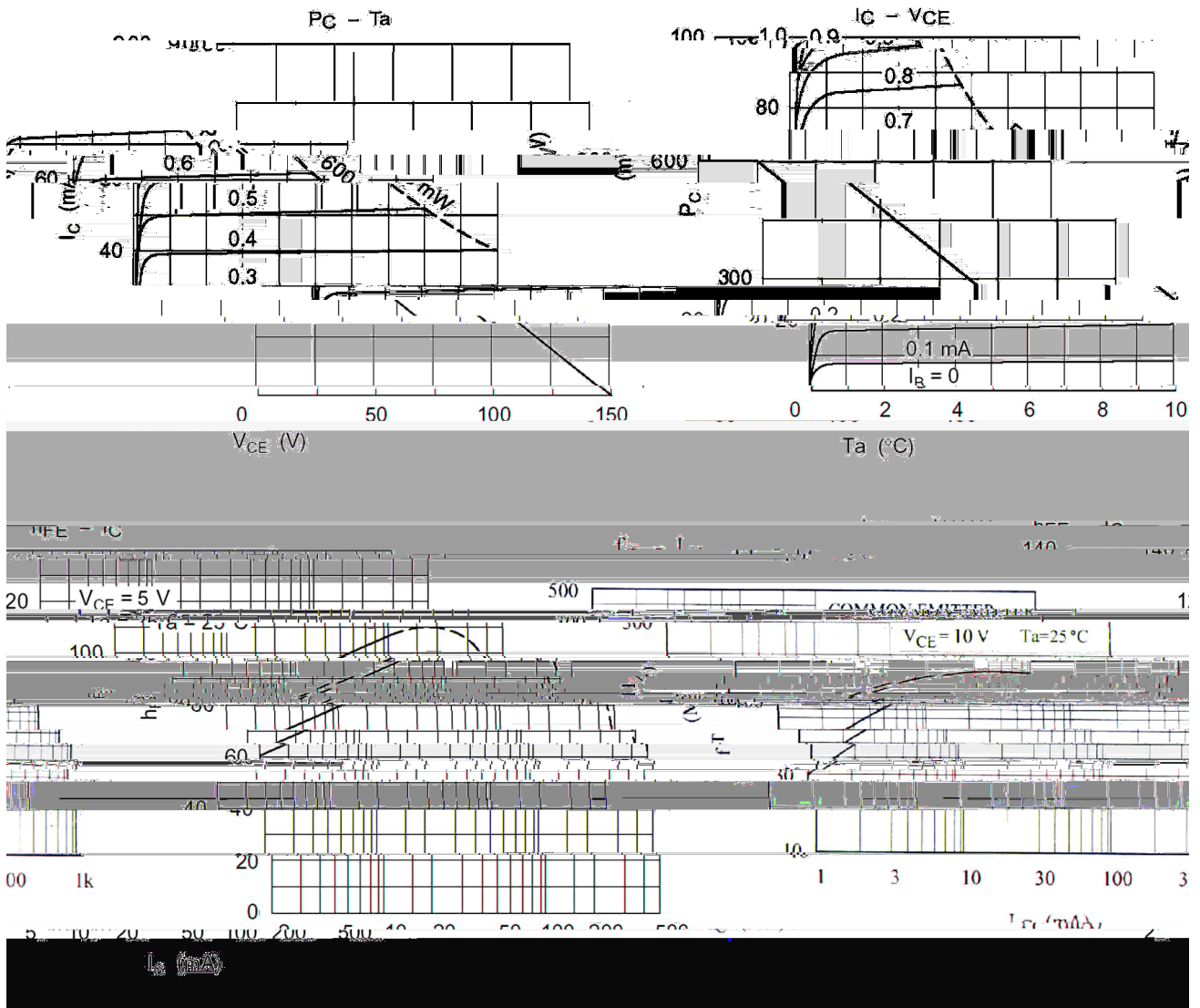


DATA SHEET

Parameter	Symbol		Rating	Unit
Collector to Base Voltage	V_{CBO}	2SC2274	60	V
		2SC2274K	100	
Collector to Emitter Voltage	V_{CEO}	2SC2274	50	V
		2SC2274K	80	
Emitter to Base Voltage	V_{EBO}		5.0	V
Collector Current - Continuous	I_C		500	mA
Emitter Current – Continuous(Pulse)	I_{CP}		800	mA
Collector Power Dissipation	P_C		600	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}	2SC2274 $I_C=10\mu A$				

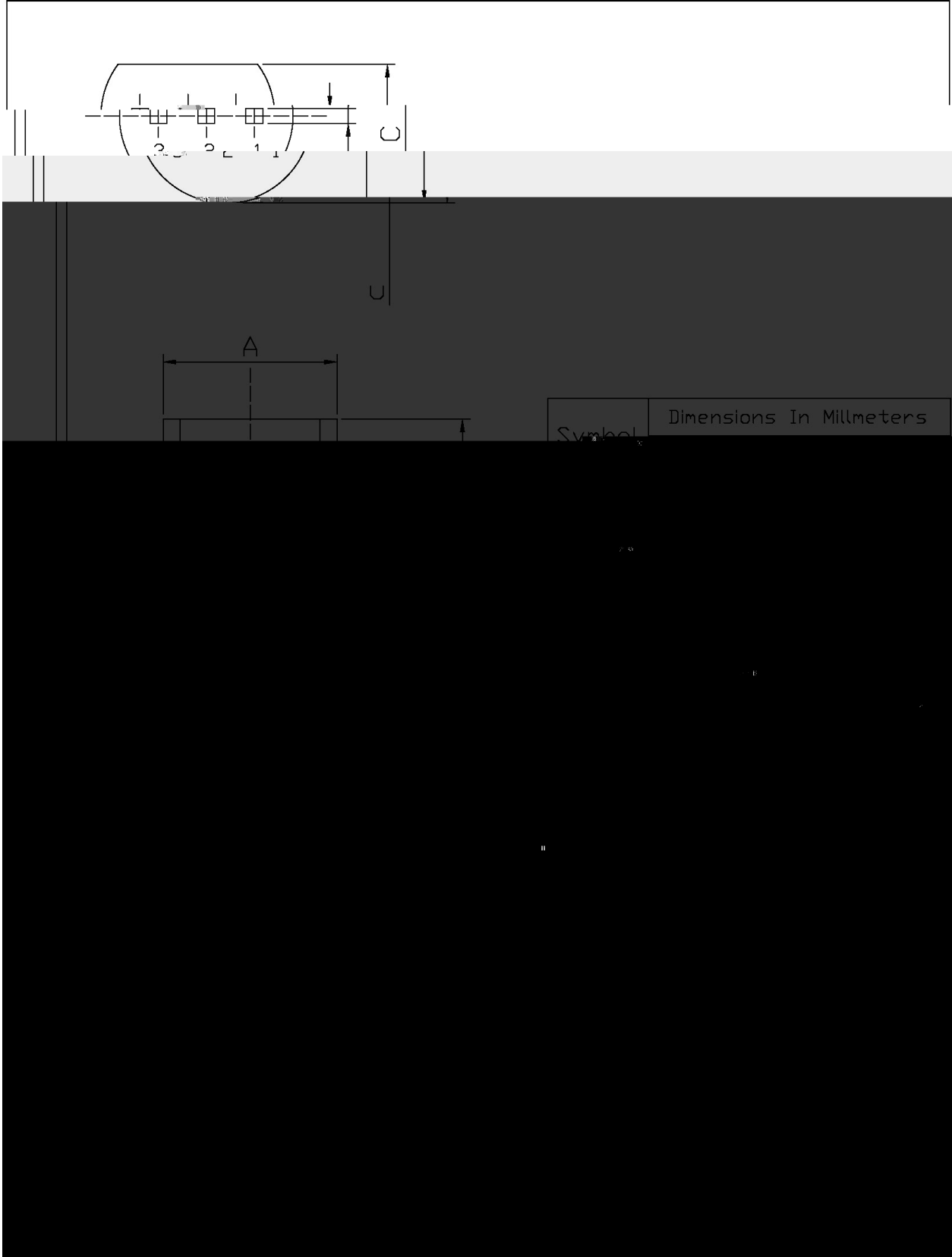
/ Electrical Characteristic Curve



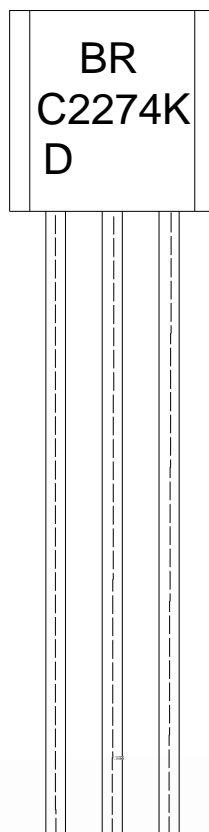
/ Package Dimensions

TO-92

Unit: mm



/ Marking Instructions



BR:

C2274K

D: h_{FE}

Note:

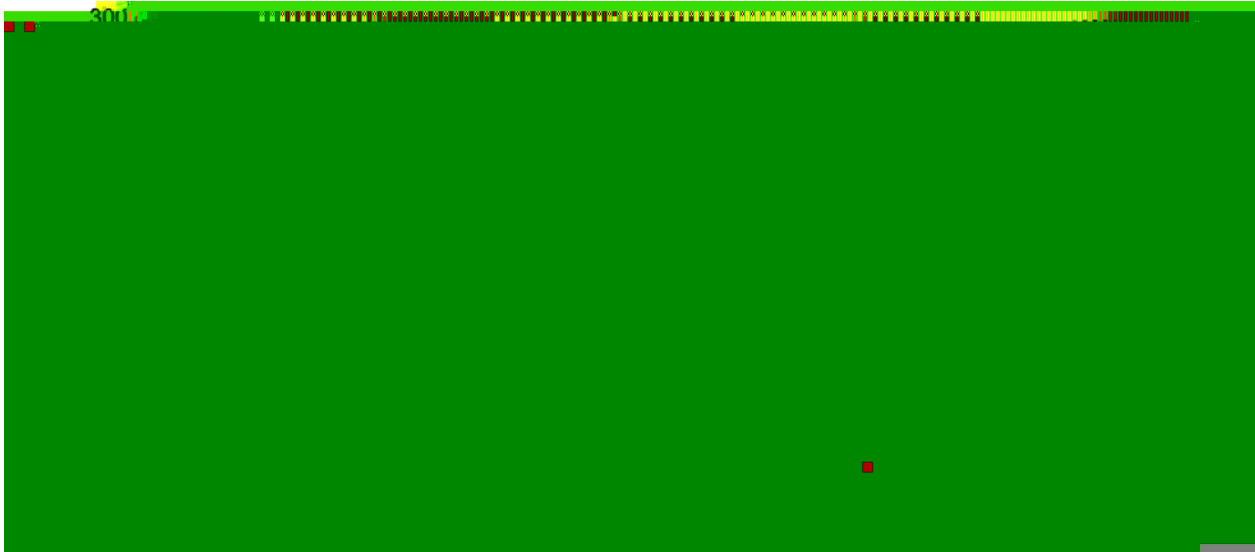
BR: Company Code.

C2274K: Product Type.

D: h_{FE} Classifications Symbol

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

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



- | | | | | | | |
|---|-------|-----|-----------|--------|---|--------------------------------------|
| 1 | 25 | 150 | 60 | 90sec; | Note: | 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)		

/ AMMO

Package Type	Units				Dimension (unit mm3)		