

# M28S

Rev.E Mar.-2016

## / Descriptions

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

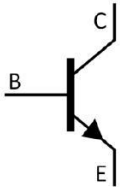
## / Features

High  $I_C$ , high  $h_{FE}$

## / Applications

Use in general-purpose Speech Synthesizer(Voice Rom)  $I_C$  audio output driver stage amplifier applications.

## / Equivalent Circuit



## / Pinning



PIN1 Base          PIN 2 Collector          PIN 3 Emitter

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

$h_{FE}$ Classifications Symbol	B	C	D
$h_{FE}$ Range	300~550	500~700	650~1000

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Parameter	Symbol	Rating	Unit
Collector to Base Voltage	$V_{CBO}$	40	V
Collector to Emitter Voltage	$V_{CEO}$	20	V
Emitter to Base Voltage	$V_{EBO}$	6.0	V
Collector Current - Continuous	$I_C$	1.0	A
Collector Power Dissipation	$P_C$	625	mW
Junction Temperature	$T_J$	150	
Storage Temperature Range	$T_{stg}$	-55 150	

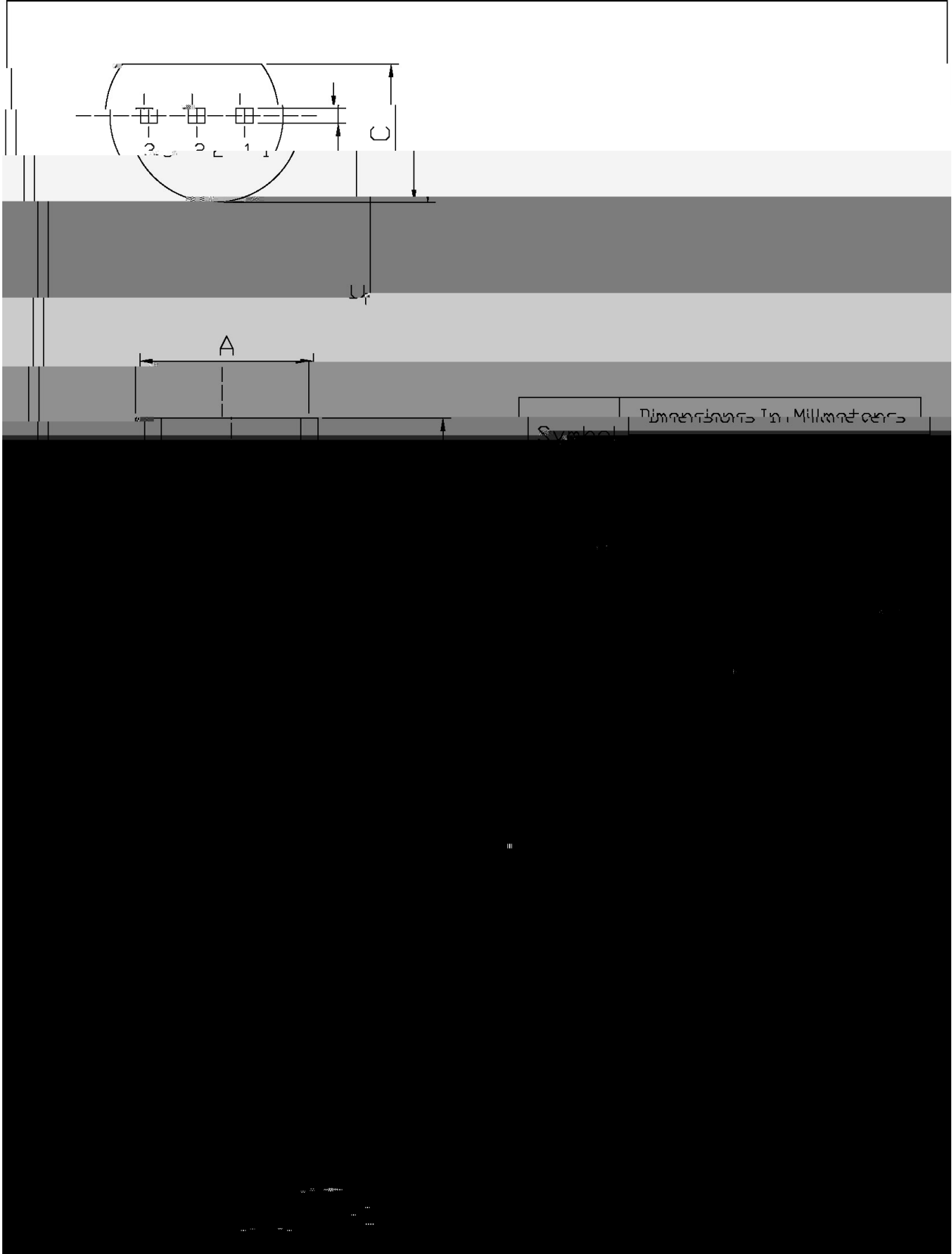
Parameter                      Symbol

**/ Electrical Characteristic Curve**

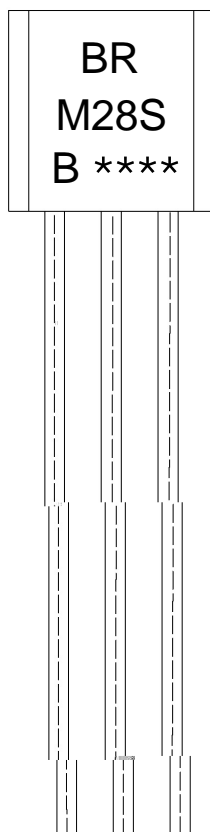
/ Package Dimensions

T0-92

Unit: mm



/ Marking Instructions



BR:

M28S

B:  $h_{FE}$

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Note:

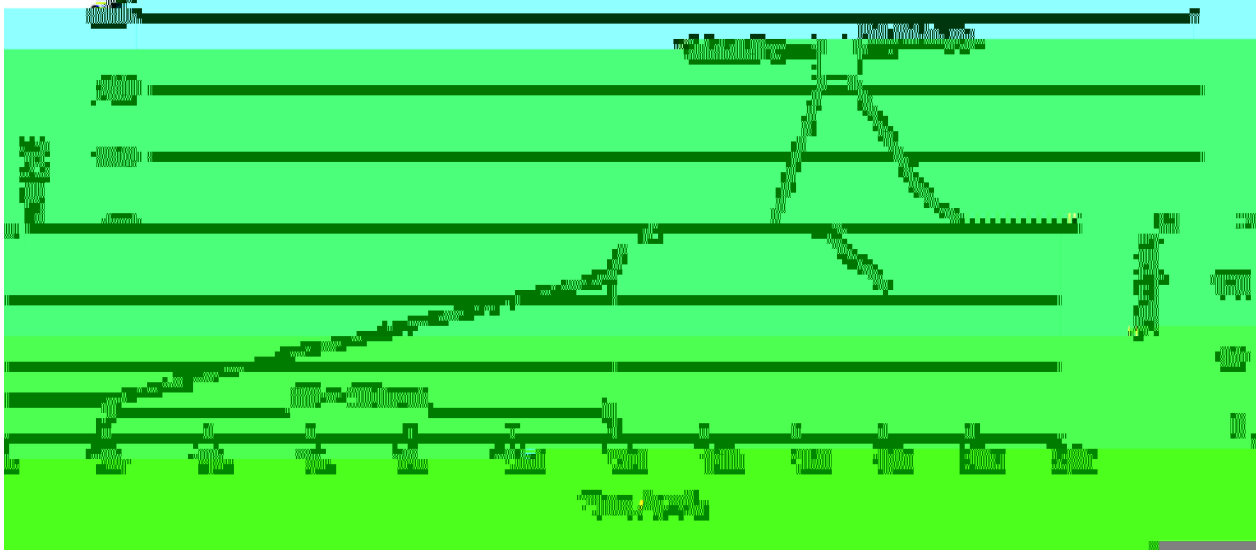
BR: Company Code.

M28S: Product Type.

B:  $h_{FE}$  Classifications Symbol

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

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



Note: